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Grant -AFOSR 78-3569-

THE EFFECTS OF WARHEAD-INDUCED DAMAGE ON THE AEROELASTIC

CHARACTERISTICS OF LIFTING SURFACES

VOLUME II - AERODYNAMIC EFFECTS

by

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and

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CENTER FOR AERONAUTICAL RESEARCH

Bureau of Engineering Research The University of Texas at Austin

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VOLUME II. - AERODYNAMIC EFFECTS.

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ABSTRACT

Tests were made in a subsonic wind tunnel to determine the effects of damage on the aerodynamic characteristics of a T-38 aircraft stabilator half. Six damage configurations were used, one circular and the remainder trapezoidal in planform, with areas of up to 2 percent of the stabilator area. The damage holes were all ahead of the 50 percent chord line, with centers at 43, 60 and 75 percent span. Surface pressure distributions and lift and drag coefficients were measured. The 65A004 airfoil used is subject to leading edge separation which strongly influenced the results. In the absence of separation, damage effects tended to be localized and aerodynamic degradation was modest. With extensive separation, the damage influence propagated completely across the span, with more substantial degradation. There was up to 300 percent increase on ${\bf C}_{{\bf D}_0}$, but at moderate lift coefficients the drag increase was generally insignificant. The decrease in ${\bf C}_{{\bf L}}$ was more consistent, ranging up to 10 percent for the larger damage holes.

INTRODUCTION

This report covers the second phase of a study of the effects of damage on the aerodynamics of lifting surfaces. The work is part of a larger study of the effect of damage on the aeroelastic characteristics of lifting surfaces. In Reference 1, the report on the first phase of this study, it was observed that suitably accurate aeroelastic predictions could not be made because of the unknown changes in aerodynamic forces caused by damage. A limited amount of two-dimensional test data and results for one actual aircraft were found. These produced a very sparse data base that did not include surface pressure measurements which would aid in understanding the aerodynamics of damage holes or permit predictions of the effects of holes other than those tested. In addition, the airfoil sections were characteristic of subsonic aircraft, in contrast to the current interest in supersonic aircraft.

As a consequence, a test program was initiated to measure lift and drag coefficients and surface pressure distributions using a surplus T-38 horizontal stabilizer with a limited but systematic series of damage configurations. The phase covered herein is the subsonic, imcompressible regime; planning is in progress for the next phase which will extend testing to the transonic regime.

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TEST FACILITY

All aerodynamic tests were made in the University of Texas 5 x 7 ft. subsonic wind tunnel at a Mach Number of 0.186 ± .005. The tunnel is an atmospheric-intake, open-circuit type, hence the test conditions vary slightly with seasonal variations in the weather. The turbulence level at the test section was 0.6%. All data were recorded using a Hewlett Packard 3052 programmable data acquisition system. The pressure measurements were made using four 48-port Scannivalves, each with a DRUCK PDCR22, 1 psid pressure transducer.

MODEL

The models used in all the aerodynamic tests were left-half,
T-38 stabilizers which had been removed from service because of local
delamination of the skin from the honeycomb core. The majority of the
delaminations were small enough in area to ignore aerodynamically, but
in one case a repair was made. The surface conditions on the stabilizers
were thus the same as on the T-38 aircraft; no attempt was made to obtain
an aerodynamically-smooth surface. A small triangular planform section
was added to the root of each stabilizer (Fig. 1) to give a root chord
perpendicular to the torque tube which was then used to mount the stabilizer
in the tunnel. This addition was necessary because the original root chord
was oriented parallel to the boattailed fuselage of the T-38. The torque
tube was supported by two pillow blocks mounted on a stand outside the
tunnel; an angle-of-attack drive was also attached to the stand.

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Because of the honeycomb construction, the pressure taps were installed using stainless steel tubing cemeted to the lower-surface skin, passing through the lower skin and honeycomb to the inner side of the upper skin which contained the 0.81 mm diameter pressure orifices. Fabrication details are given in Ref. 1, and the location of the orifices is listed in Table 1. The stabilizer airfoil section is a symmetrical one, and the pressure data from the upper skin taps was measured at equal positive and negative angles of attack; data from the negative angles was used in place of measurements on the lower skin surface which was distorted by the pressure tubing. Thus, the data from the upper skin at +8 degrees, for example, was combined with data from the same orifices at -8 degrees to obtain overall lift and pressure coefficients. This method is not completely rigorous because of the -4 degrees dihedral c. the stabilizer, but any error may be expected to be minor compared to the effects of the damage being studied.

The direct-measurement forces were obtained from a stabilizer having four-arm strain gage bridges at two stations on the cantilevered section of the torque tube, between the tunnel wall and the first pillow block. Two bridges were located in the axial-force plane and two in the normal-force plane; conversion to lift and drag coefficients was done by the computer in the data acquisition system. This stabilizer had no pressure instrumentation, hence data were obtained for both positive and negative angles of attack.

DAMAGE CONFIGURATIONS

One circular and five trapezoidal damage holes, as detailed in Table 2, were tested. In all cases, the openings were perpendicular to the plane of symmetry of the stabilizer. For most pressure distribution measurements, the honeycomb cells exposed by cutting each hole were filled with putty to produce a smooth-sided opening. However, after tests of the effect of filling the honeycomb showed no difference, the filling was discontinued. The hole areas ranged from 1/2 to 2 percent of the planform area of the tested stabilizer hal. The trapezoidal shape was selected to aid in evaluating computer calculations of pressure distributions since curved hole shapes are more complex to model in computer studies.

TEST CONDITIONS

As previously noted, the tests were made at an average Mach Number of 0.186, which resulted in an average Reynolds Number of 5.29 million based on a mean aerodynamic chord of 1.15m (45.15 in.). Corrections for tunnel wall effects were made using the method of Ref. 2. The corrected angle of attack in degrees was

$$\alpha = \alpha_{n} + 3.27c_{L_{n}}$$

The corrected lift coefficient was

$$C_L = 0.937 C_{L_m}$$

and the corrected drag coefficient

$$c_{D} = c_{D} + 0.035 c_{L_{D}}^{2}$$

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where the subscript m indicates the measured value.

Oil flow visualization was by means of dye in SAE 20 motor oil.

At angles of attack where flow separation was present, model vibrations and unsteady flow resulted in correspondingly unsteady pressure transducer and strain gage readings. These were recorded continuously on a strip chart recorder, to determine the mean values. Studies were then made to determine the number of digital-system readings which when averaged gave a value equal to the dynamic mean. Although not as precise a study as that reported in Ref. 3, the repeatability of data was improved by approximately one order of magnitude. For pressure measurements, five readings over a 1.5 second period were averaged, and for strain gage (force) measurements, 60 readings over 60 seconds were averaged. The indicated angle of attack range for pressure measurements was 0 to +10° in 2° increments, and for force from -12° to +12° in 1° increments.

The stabilizer was supported by a single, hollow steel torque tube, and as a consequence, substantial vibration was initially observed at the higher angles of attack where flow separation occurred. This vibration was a significant factor in the unsteadiness of the data. A small amount of lead shot was sealed in cavities at several positions in each stabilizer to supply dynamic damping. This reduced the motion of the tip to approximately \pm 0.25 inch, compared to \pm 0.75 inch without damping.

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RESULTS

Pressure Measurements

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The results of all the pressure tests are presented in the Appendices in two forms. Appendix 1 consists of plots in three-dimensional form of ΔC_p for all six configurations for which data were taken. As noted previously, pressure taps were installed on the upper skin surface only, thus ΔC_p was obtained by combining data for runs made at equal positive and negative angles of attack, e.g. \pm 2, \pm 4, etc. Although equal positive and negative geometric angles of attack were used, the tunnel corrections produced some minor deviations in actual angles of attack; this may be seen in Appendix II which is a tabulation of all pressure data. For example, for the undamaged case, \pm 8° geometric angle resulted in \pm 9.8° and \pm 10.1° after wall corrections were applied. The variation is primarily the result of uncertainty in setting zero angle of attack. For the pressure model, this was done by aligning the tip chord with the tunnel axis. Subsequent testing with the force model disclosed some misalignment.

The sharp leading edge of the thin 65A004 airfoil causes a leading edge separation bubble to form at approximately 4° angle of attack (Ref. 4) and the length of the bubble increases with increasing angle of attack. As a consequence the data obtained without separation were generally of better quality than when separation and reverse flow were present. Separation also influenced the effects of damage on pressure distributions. Without separation, as in Fig. 2, there was little spanwise flow, and pressure changes were concentrated ahead of and aft of the damage. Separation produced both spanwise and reverse

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flow (Fig. 3), and the strongest damage influence was observed outboard and forward of the hole for this case. The damage also substantially reduced the spanwise and reverse flow in some cases, as shown in Figures 3 to 5. The regions of perturbed pressures were small for the attached flow case, and generally were limited to a distance ahead of and behind the hole approximately equal to the hole chordwise dimension. For holes centered at 75% span with separated flow, the influence was concentrated at the leading edge and extended approximately to the stabilizer tip. The hole centered at 44% span caused less change in pressure than did the same area hole at 75% span, and influenced a smaller region of the skin.

Figure 6 shows the chordwise pressure distribution at 75% span for the undamaged stabilizer and the 1% area trapezoidal hole, for an angle of attack of 2.4°. The undamaged-case data are consistent with the two-dimensional results of Reference 4. For the 1% hole which had a length of 20% chord, the influence is concentrated in a region of 10% chord ahead of and behind the hole. Immediately aft of the hole, the pressure is reduced on both the top and bottom surfaces. A reduction is also observed ahead of the hole on the lower surface. These are all compatible with the expected flow into and out of the cavity formed by the damage. (The data points at 20% chord are the "base" pressure at the center of the forward face of the cavity.) Figure 7 shows similar data for a hole of 2% area, with similar trends but a larger change on the lower surface. Again, the pressure plotted at 10% chord is the base pressure within the cavity.

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Figure 8 shows the influence of the 1% hole at 83.5% span; comparison with Figure 6 indicates only minor changes at this location, primarily on the upper surface. Inboard of the same hole, at 67% span, the perturbations are also small, as seen in Figure 9. This is consistent with the earlier observation that there is limited spanwise propagation of damage effects at lower angles of attack, where the flow is not separated.

Figures 10, 11 and 12 show the pressure distribution for the 1% hole, at 83.5, 75 and 67% span, and 9.8° angle of attack. The influence of separation is evident since the damage-induced disturbances are stronger at the outboard position than at the damage station or the inboard location. However the local lift from integration of the pressures is diminished inboard of the damage as will be shown in detail later.

SPANWISE LIFT DISTRIBUTION

The surface pressure distributions were integrated for several representative cases in order to show the spanwise lift distribution. The local lift coefficient C_1 is shown in Figures 13 through 16 in the same form as used in References 1, i.e. referred to the mean geometric chord, \bar{c} , and to the angle of attack in radians. The data for the undamaged case is included for comparison.

Figures 13 and 14 present the results for the 1% and 2% trapezoidal holes at 75% span, based on pressure data at 2.4° angle of attack. The localized nature of the disturbance is again evident at this angle, for which the flow is attached. The 1% hole reduced the total lift by 2.1%,

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whereas the theoretical prediction of Reference 1 was approximately 5% for a very similar planform. Figure 15 presents the results obtained at an angle of attack of 9.8°, at which substantial flow separation exists. The damage effect is seen to propagate to the row of pressure taps nearest the root and thus is substantially stronger than at the lower angle of attack. Data for the 1.96% hole located at 43% span, with α = 2.4° is shown in Figure 16. This hole was between pressure-tap rows 8 and 9, so the lift at the hole centerline was obtained by spanwise interpolation of pressures prior to integration for lift. The loss in lift of 2.6% is only slightly higher than for the 1% hole at 75% span.

DIRECT LIFT AND DRAG MEASUREMENTS

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As noted in Reference 1, investigation of the aeroelastic effects indicated that damage-induced drag is a possible source of structural failure. For this reason, a second T-38 stabilator half was instrumented with strain gages to directly measure normal and chordwise forces which were then coverted to lift and drag coefficients by the data system computer. No pressure instrumentation was installed in this stabilator. For both pressure and force tests, the angle of attack was varied with a lever arm bolted to the stabilator torque tube using pre-existing holes in the tube. The zero angle of attack position was initially determined with the pressure model by aligning the symmetrical airfoil with the tunnel axis. This same setting was used for the force tests; however, it was found during these tests that zero lift did not correspond to the zero angle of attack setting. Consequently there is a slight offset in the results, as shown in Table 3 which gives the results of the force tests, in equation form.

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These equations and the test data are shown in Figures 17 through 28 as $\rm C_1$ vs $\rm \alpha$ and $\rm C_D$ vs $\rm C_L$.

For all damage configurations, Table 3 shows an increase in zero-lift drag, C_{D_0} although the relationship as shown in Figure 29 is sensitive to the orientation of the damage as well as the size. The four cases indicated by the circular symbols all had the same spanwise dimension; the area was progressively increased by increasing the chordwise dimension of the damage hole. The approximate ratios of chordwise to spanwise dimension were 1, 1.5, 2.0 and 2.7 for the 0.5% to 2% area holes. The results indicate that C_{D_0} decreases as this hole "fineness ratio" exceeds 2. By contrast, the 2% spanwise damage which had a fineness ratio of 0.8, i.e. its long dimension was oriented spanwise, resulted in a C_{D_0} which was nearly twice as large as for the 2% chordwise hole, even though the actual dimensions were nearly the same. This characteristic is evident in Figure 30 for small lift coefficients as well.

It is likely that increased C_{D_0} is partially the result of reduced pressure on the cavity forward face, i.e. base pressure, and of increased pressure on the aft face. In several instances these two pressures were measured. As seen in Figures 6 and 7, a negative base pressure coefficient was observed. The pressure on the rear face was found to be essentially the free-stream dynamic pressure. By this rationale, spanwise holes would increase C_{D_0} by more than equal chordwise holes, which is the trend in Figures 29 and 30. However, the uncertainty in the data at these low drag levels does not justify drawing more exact conclusions.

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Reference 5 reports the results of measurements of the effect of circular holes on drag, using a two-dimensional model having a NACA 65_1 -012 airfoil section; these results are discussed in some detail in Reference 1. There were three configurations tested which were circular holes at 25% chord. For these, the C_{D_0} based on hole area was -0.1, +0.1 and +1.1. The results from the present tests was +0.38 for the circular hole, and +0.40 for the 1% area trapezoidal hole (which had a fineness ratio of 1.5). These two most nearly correspond to the damage of Reference 5, and the results fall close to the center of the range reported in that reference.

The influence of damage on drag is summarized in Figure 30 which shows the effect of orientation of 2% holes, and in Figure 31 which shows the effect of chordwise holes of 1 and 2%. Both figures demonstrate that at higher lift coefficients, the increases in drag diminish to the point where they are obscured by the uncertainty in the data. In general, the increase was less than 10%, with only the 2% spanwise hole showing a consistent increase. This is contrary to the results of Reference 5, in which both $C_{\rm D}$ and K of the parabolic drag polar equation were found to increase.

Figure 32 shows typical effects of damage on lift coefficients, at angles of attack below and above the separation angle; both force and pressure data are included. Generally, the reduction in C_L was small and approximately constant up to $\alpha = 5^{\circ}$, beyond which the reduction increased markedly to a peak at 10° or 11°, followed by a decrease. There was substantial scatter in the force data, particularly for the smaller damage

cases, because the magnitude of the changes was small compared to the full-scale capability of the strain-gage measuring system. This was particularly true at smaller angles of attack. At α = 2.4°, for example, the lift force of the undamaged stabilator was about 30 kg and the damage effect was about 4 kg, whereas the maximum lift force was approximately 275kg. As seen in Figure 32, the integrated pressure distribution gave a more consistent result than did the force data; at α = 2.4° the change in the lift curve slope of Table 3 was also a good indicator, although it under-predicts the effect in the presence of separated flow as at α = 9.8°.

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TABLE 1
PRESSURE TAP LOCATIONS

ROW #	% SEMISPAN
ì	91.7
2	83.5
3	79.3
4	75.2
5	71.1
6	66.9
7	58.7
8	50.4
9	35.8
10	17.4

In each row, chordwise tap locations, numbered from the leading edge, were at the following positions in percent of the local chord: 0, 1.25, 2.5, 5.0, 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 95.

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TABLE 2

DAMAGE CONFIGURATIONS AND DIMENSIONS

SHAPE	AREA %	HOLE CENTER LOCATION ORIENTATION, % Span % Chord Long Axis		TYPE DATA	
Circle	0.5	75	25		Pr., F
Trapezoidal	1.0	7 5 `	27.2	Chordwise	Pr., F
Trapezoidal	1.5	75	22.5	Chordwise	Pr., F
Trapezoidal	2.0	75	27.1	Chordwise	Pr., F
Trapezoidal	1.96	43.4	19.9	Spanwise	Pressure
Trapezoidal	2.0	58.9	16.5	Spanwise	Force

HOLE AREA			LOCATIONS Percen	1
1.0	71.6	78.6	17.4	37.0
1.5	ti	16	8.0	ıı I
2.0	1:	11	11	46.2
1.96	36.9	49.8	12.8	27.0
2.0	47.8	69.9	11.5	21.4

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TABLE 3

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LIFT AND DRAG COEFFICIENTS FROM FORCE MEASUREMENTS

$^{\Delta c}_{f r}$.014	.020	.022	.022	.026	.016
×		.290	.274	.273	.285	,294	.278
c _D 0		.0040	• 0029	0800	.0085	9900*	.0134
a,/deg.	950.	550.	750	.053	.053	.052	.052
$^{\mathrm{C}_{\mathrm{L}_{0}}}$.024	.032	780	.037	.033	.028
CONFIGURATION	Wing Theory	Undamaged	0.5% circular	1.0% trapezoidal	1.5% trapezoidal	2.0% trapezoidal	2.0% spanwise

$$c_L = c_{L_0} + a\alpha$$
 $c_D = c_{D_0} + \kappa(c_L - \Delta c_L)^2$

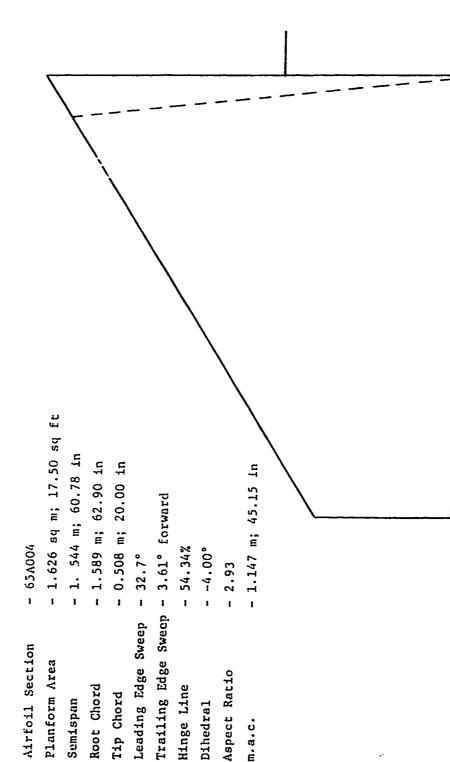


FIGURE 1. - WIND TUNNEL MODEL DIMENSIONS

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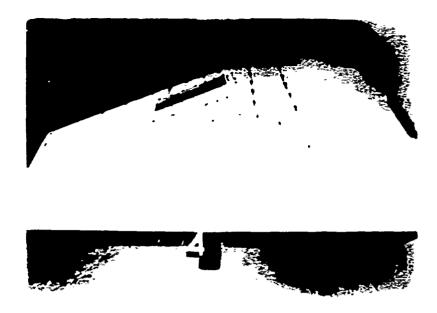


FIGURE 2. OIL FLOW PATTERN, 1.96% HOLE, SPANWISE ORIENTATION, α = 4.7°



FIGURE 3. OIL FLOW PATTERN, UNDAMAGED, $\alpha = 9.8^{\circ}$

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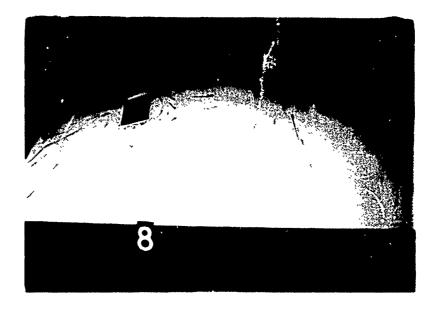


FIGURE 4. OIL FLOW PATTERN, 1.5% HOLE, α = 9.8°

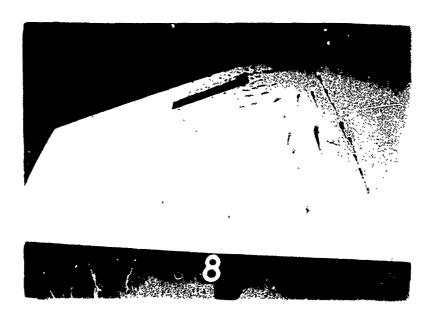


FIGURE 5. OIL FLOW PATTERN, 1.96% HOLE, α = 9.8°

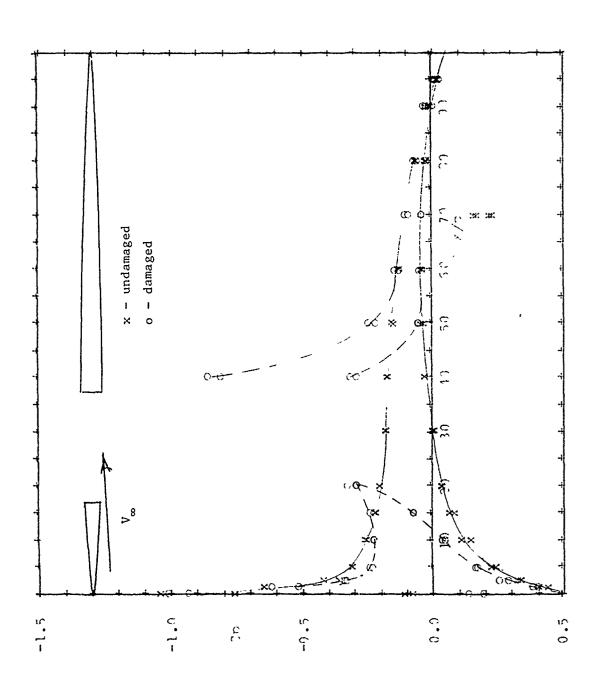


Fig. 6. - Chordwise Pressures at 75% Span, Undamaged and 1% Hole, α = 2.4°

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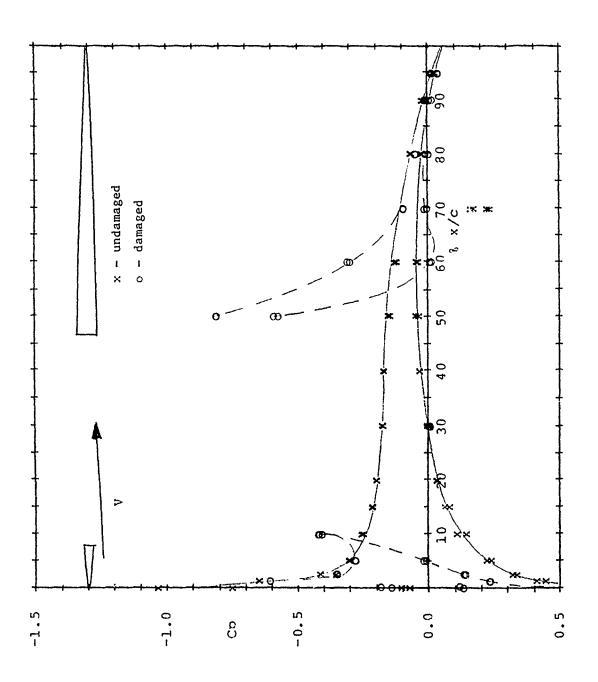


Fig. 7. - Chordwise Pressures at 75% Span, Undamaged and 2% Hole, α = 2.4°

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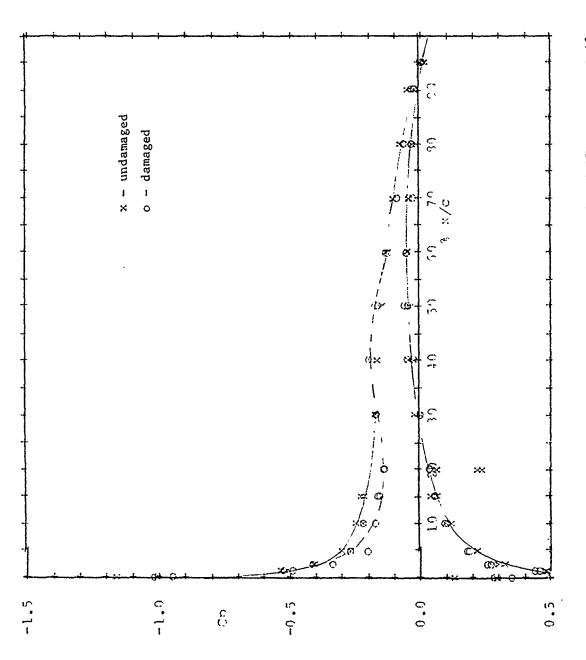


Fig. 8. - Chordwise Pressures at 83.5% Span, Undamaged and 1% Hole, α = 2.4°

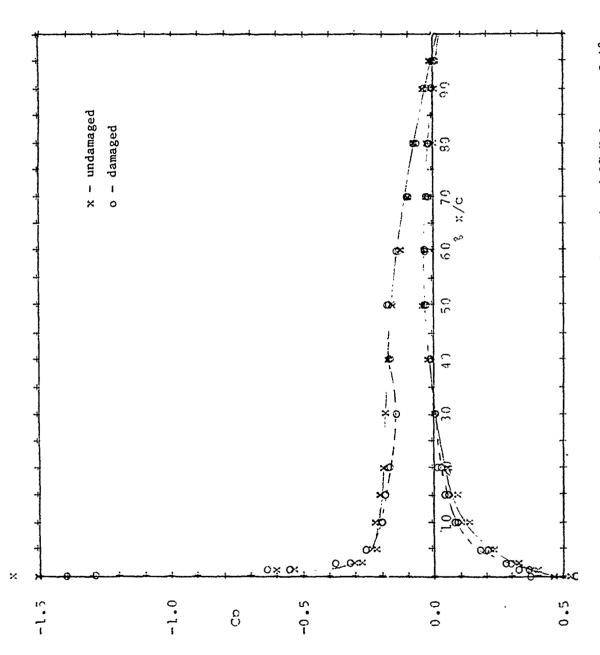
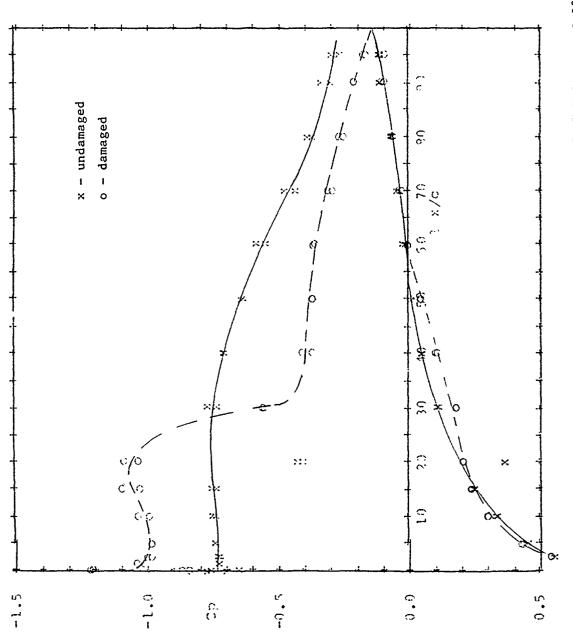


Fig. 9. - Chordwise Pressures at 67% Span, Undamaged and 1% Hole, α = 2.4°

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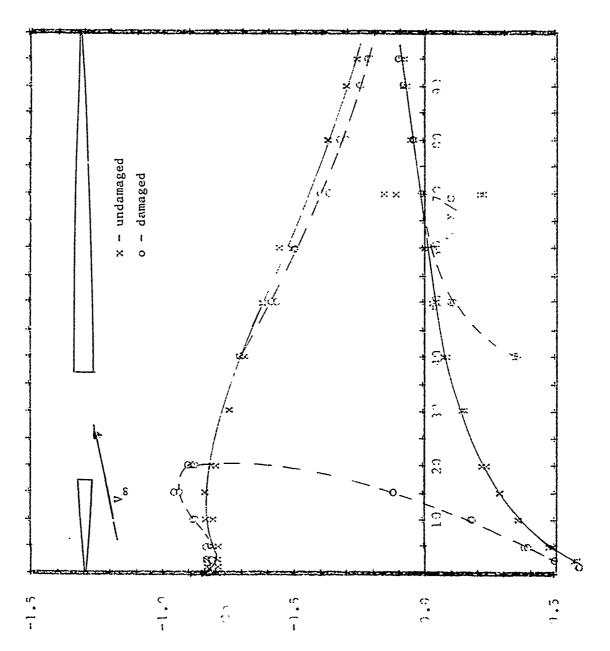


Fig. 11. - Chordwise Pressures at 65% Span, Undamaged and 1% Hole, $\alpha = 9.8^{\circ}$

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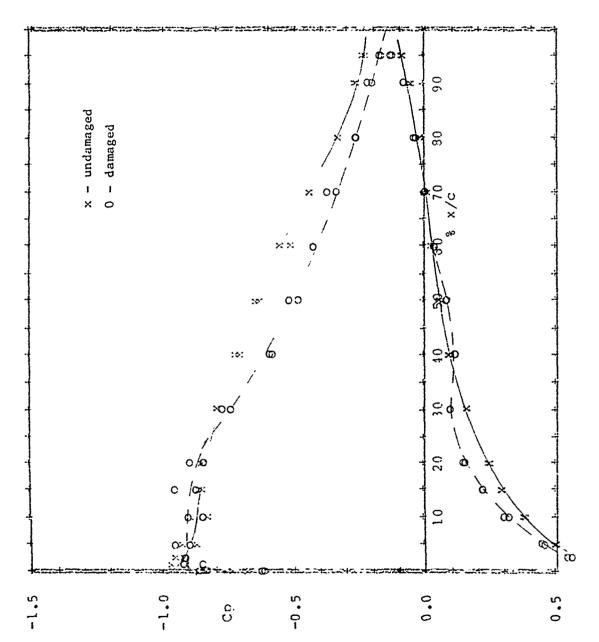


Fig. 12. - Chordwise Pressures at 67% Span, Undamaged and 1% Hole, α = 9.8°

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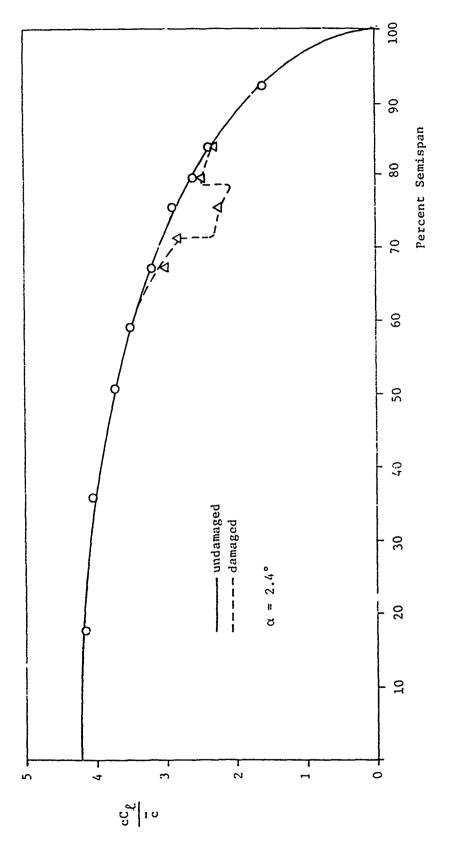


Fig. 13. - Spanwise Lift Distribution - 1% Hole at 75% Span

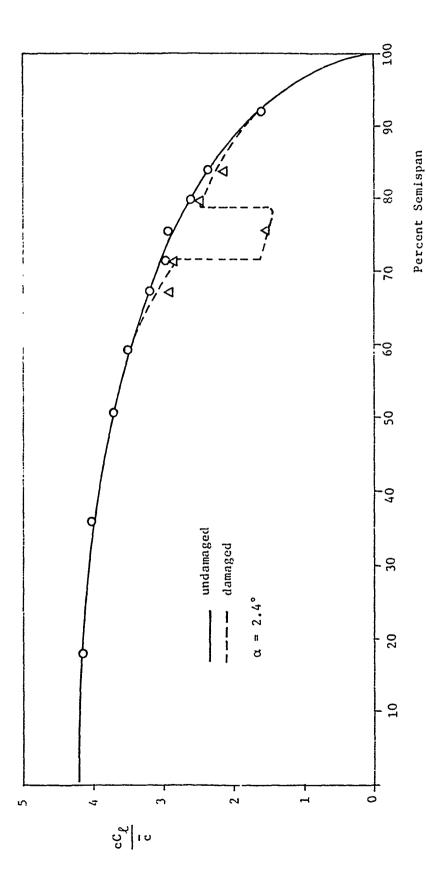


Fig. 14. - Lift Distribution - 2% Hole at 75% Span

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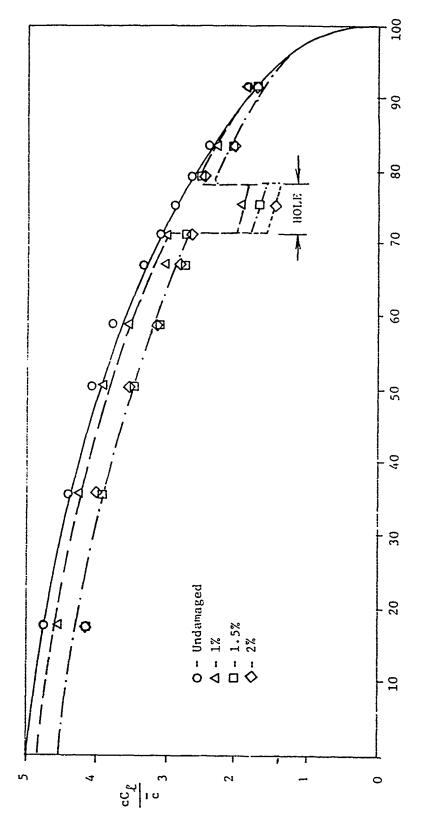
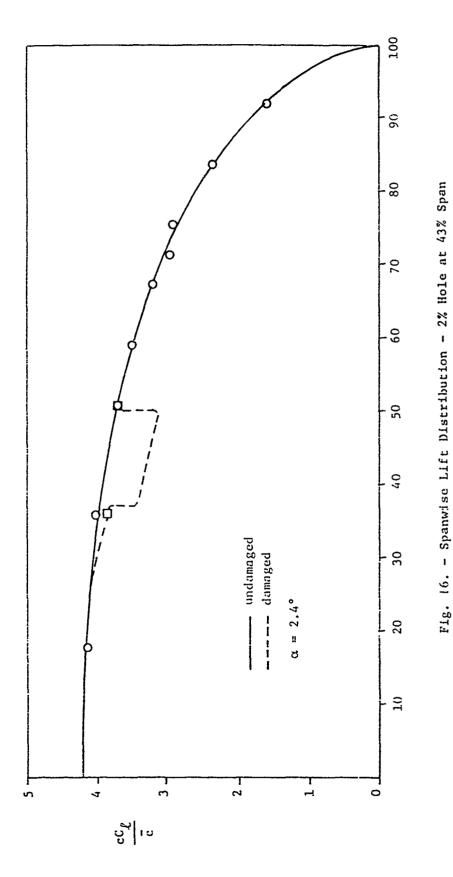


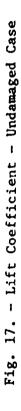
Fig. 15. - Spanwise Lift Distribution - 9.8° Angle of Attack

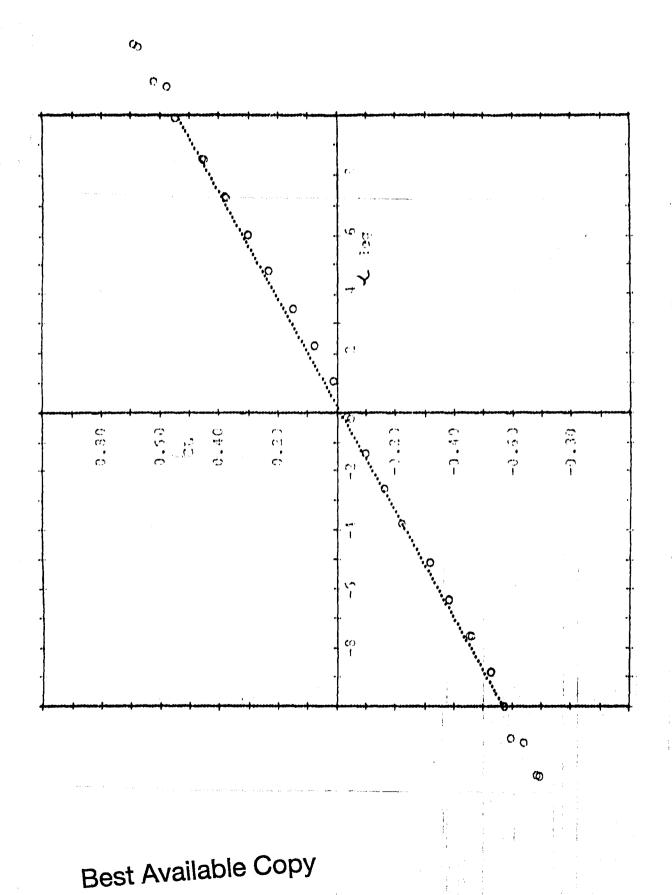
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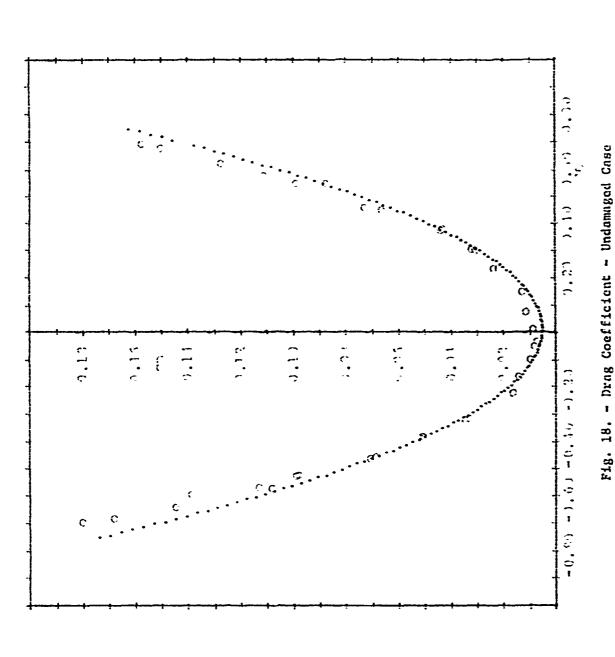
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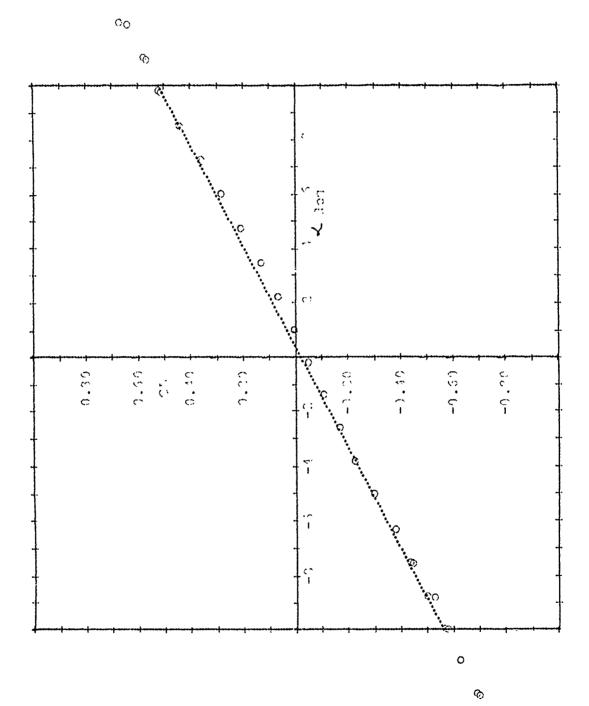
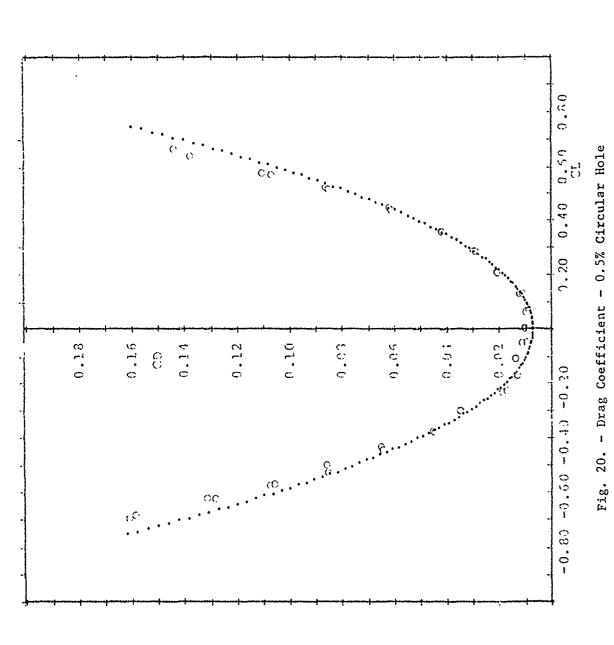


Fig. 1.9. - Lift Coefficient - 0.5% Circular Hole



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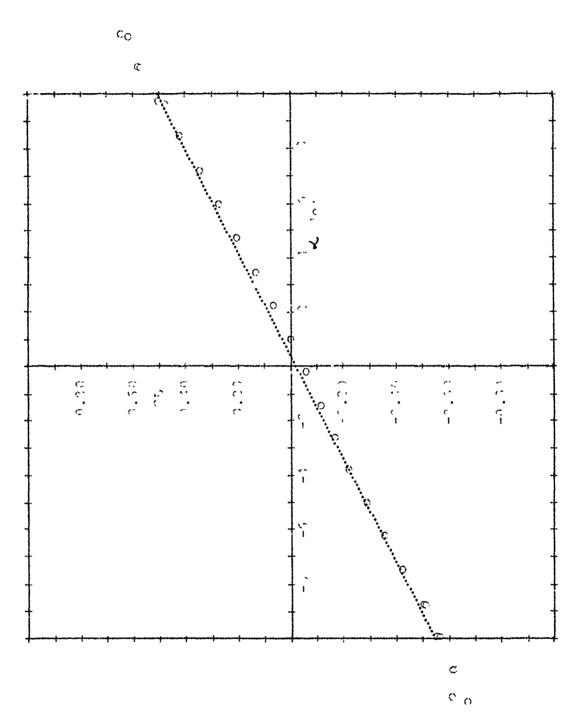
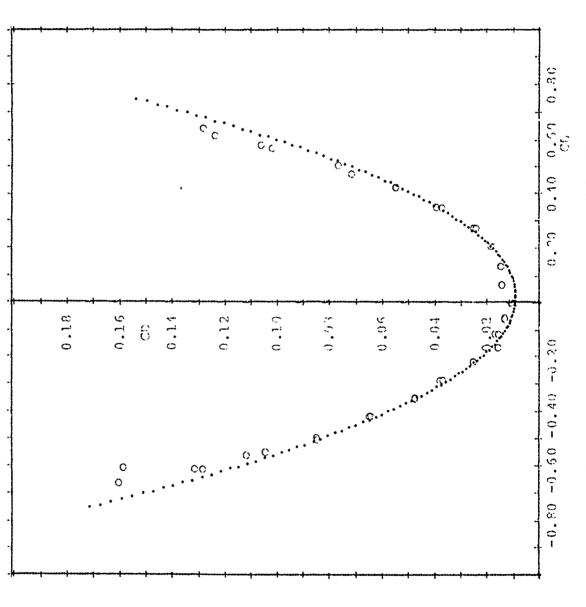


Fig. 21. - Lift Coefficient - 1% Trapezoidal Hole

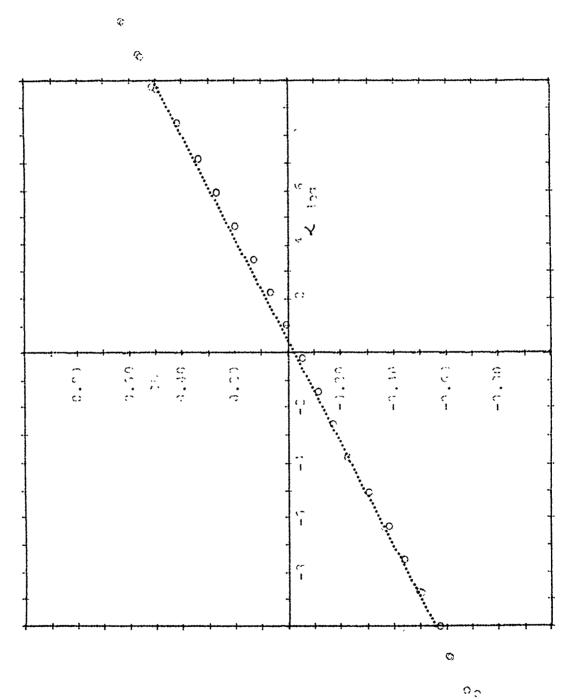
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Fig. 22. - Drag Coefficient - 1% Trapezoidal Hole

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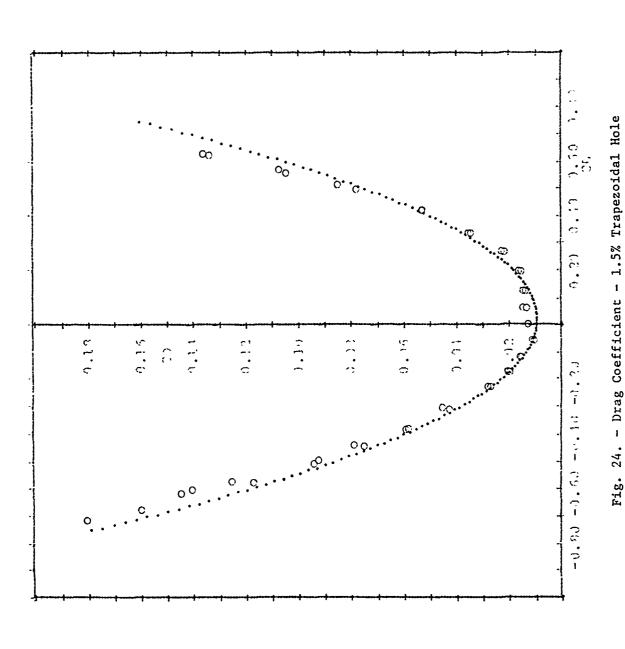
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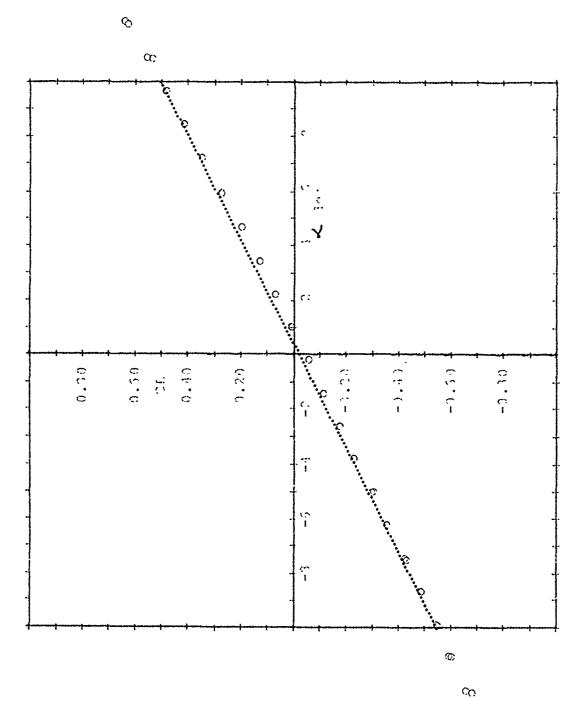
Fig. 23. - Lift Coefficient - 1.5% Trapezoidal Hole

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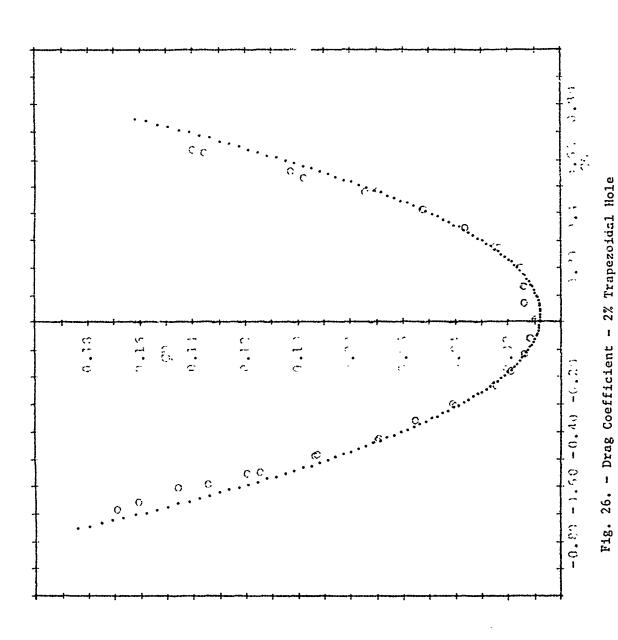


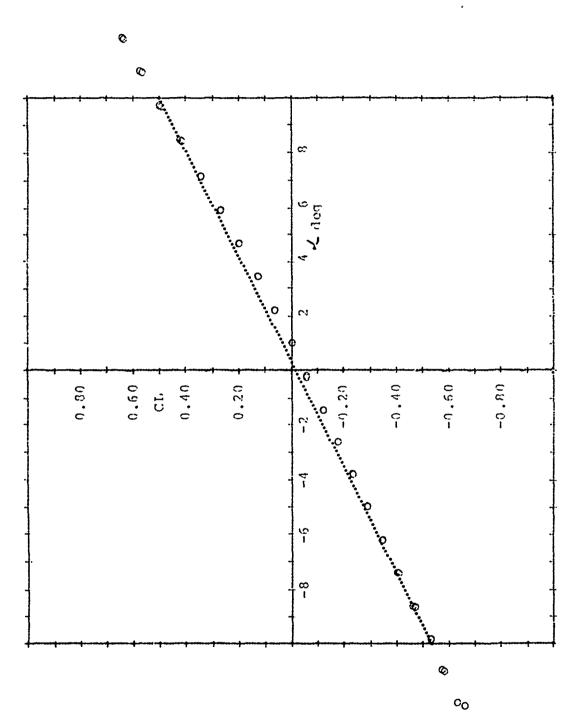
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Fig. 25. - Lift Coefficient - 2% Trapezoidal Hole

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Fig. 27. - Lift Coefficient - 2% Spanwise Hole

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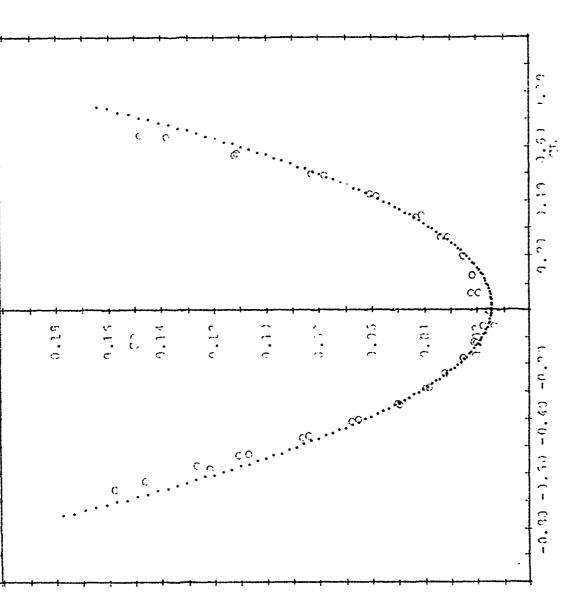
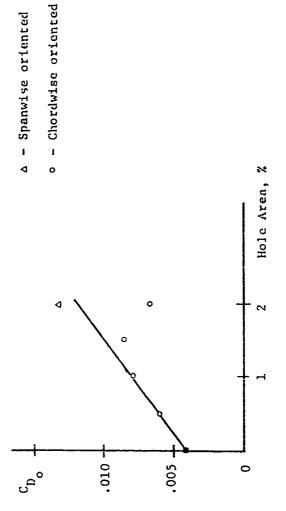


Fig. 28. - Drag Coefficient - 2% Spanwise Hole

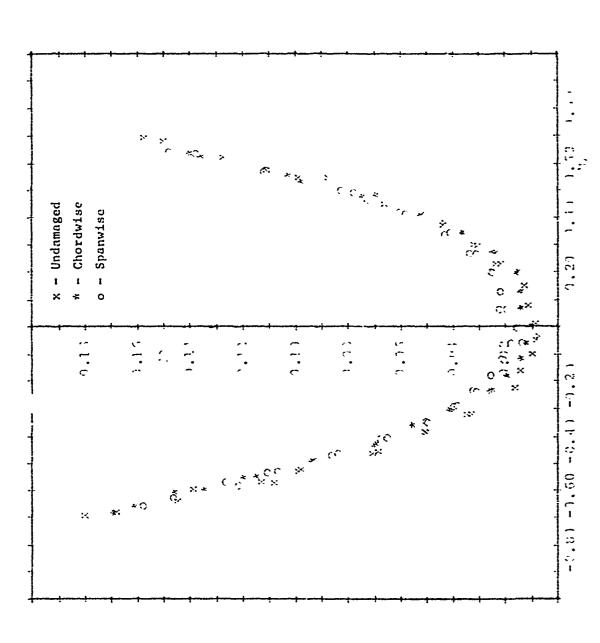
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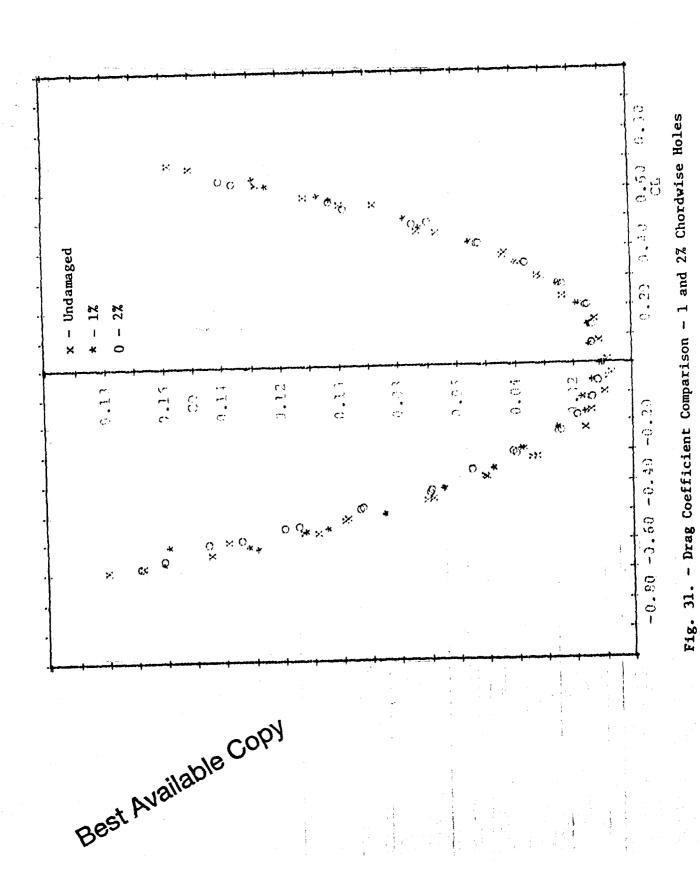
Fig. 29. - Effect of Damage on Zero-Lift Drag Coefficient



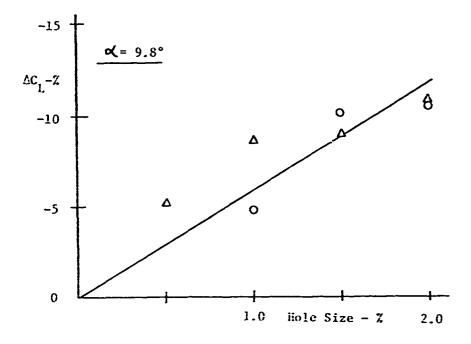
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Fig. 30. - Drag Coefficient Comparison - 2% Spanwise and Chordwise Holes

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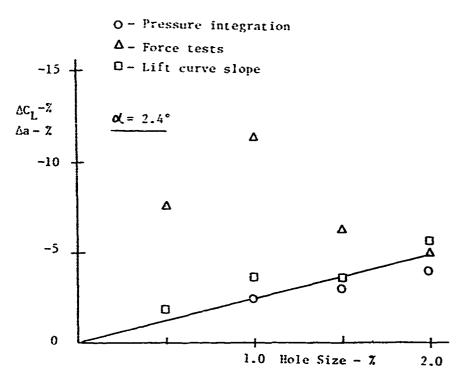


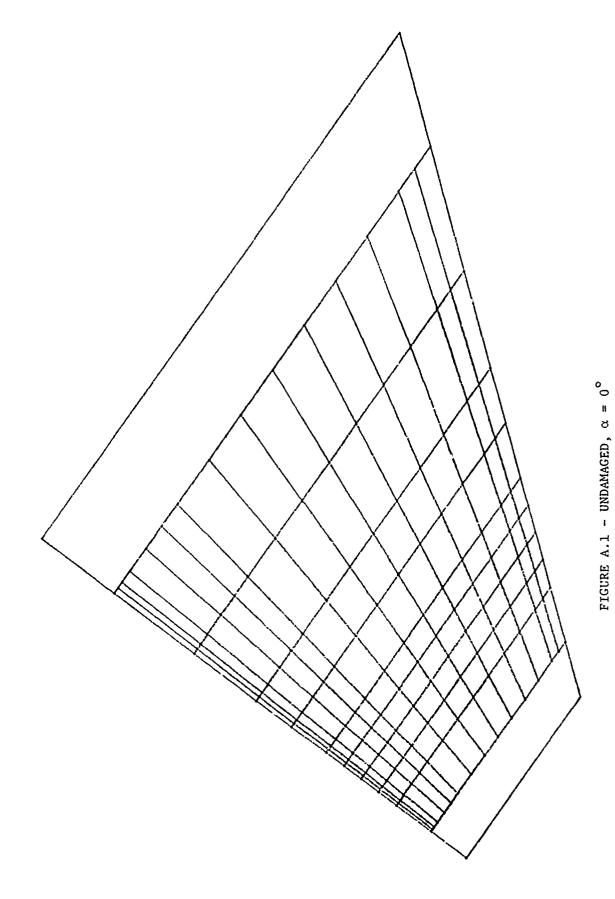
Fig. 32. - Damage-Induced Reduction in Lift Coefficient for Holes at 75% Span

APPENDIX I

Three-Dimensional Plots of $\Delta \mathtt{C}_{p}$

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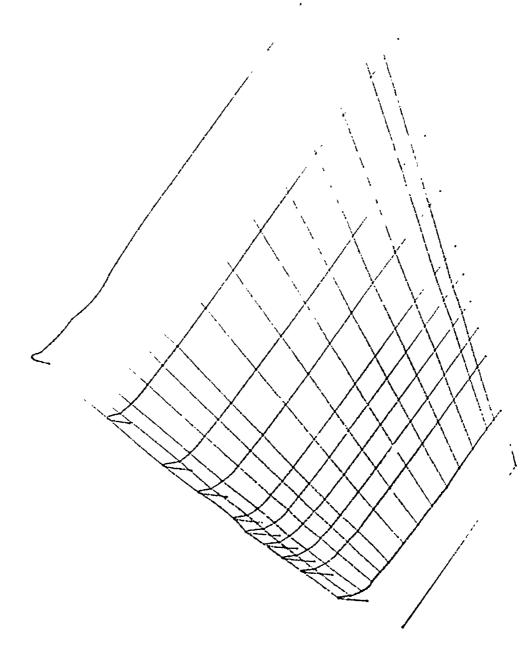


FIGURE A.2 - UNDAMAGED, $\alpha = 2.5^{\circ}$

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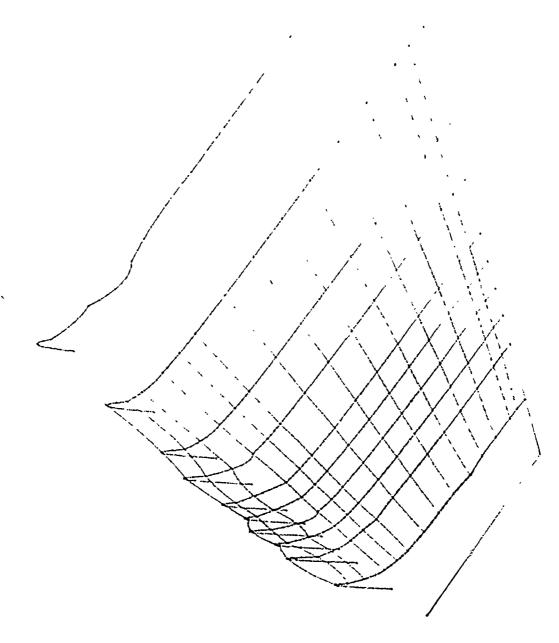
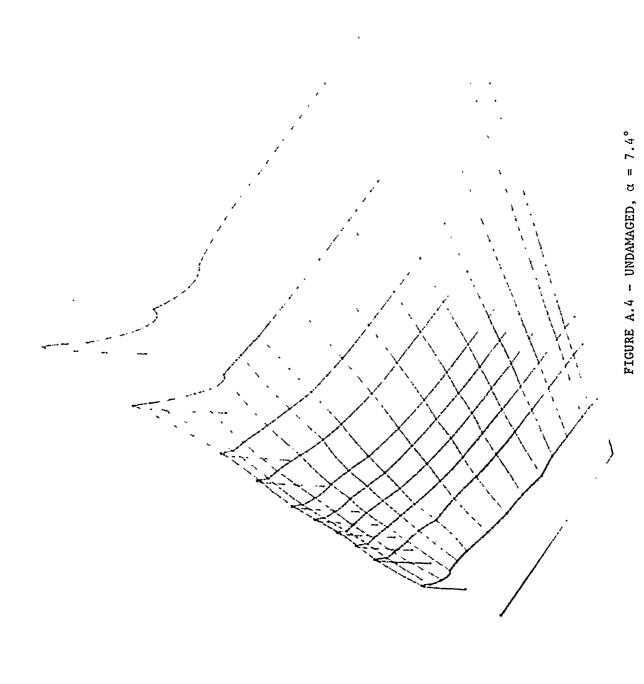


FIGURE A.3 - UNDAMAGED, $\alpha = 5.0^{\circ}$

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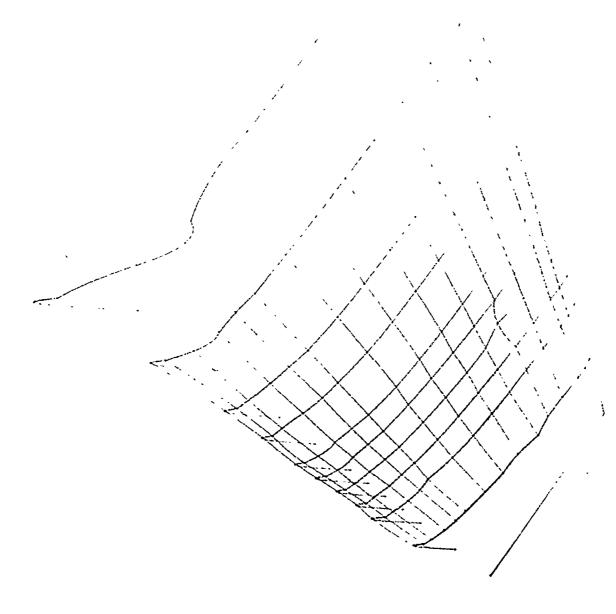
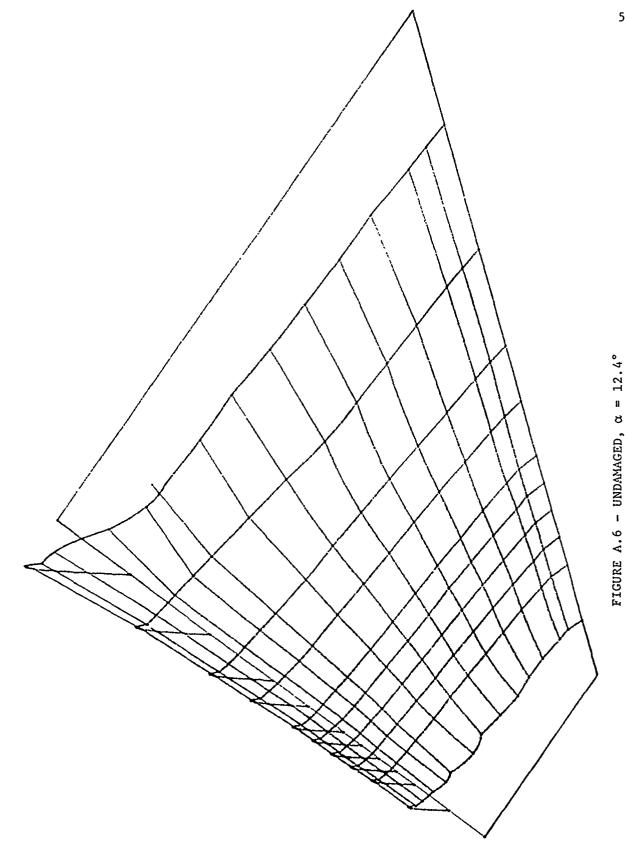


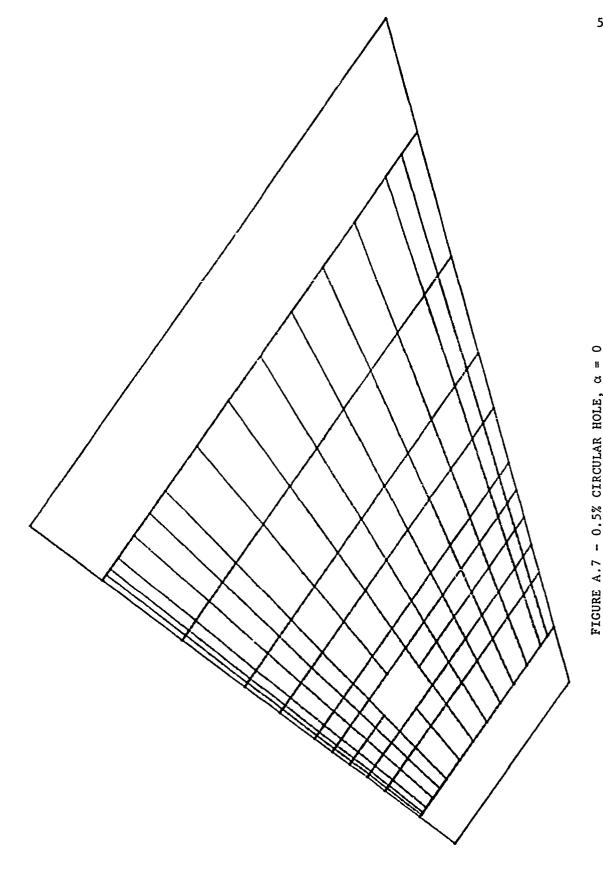
FIGURE A.5 - UNDAMAGED, $\alpha = 9.9^{\circ}$

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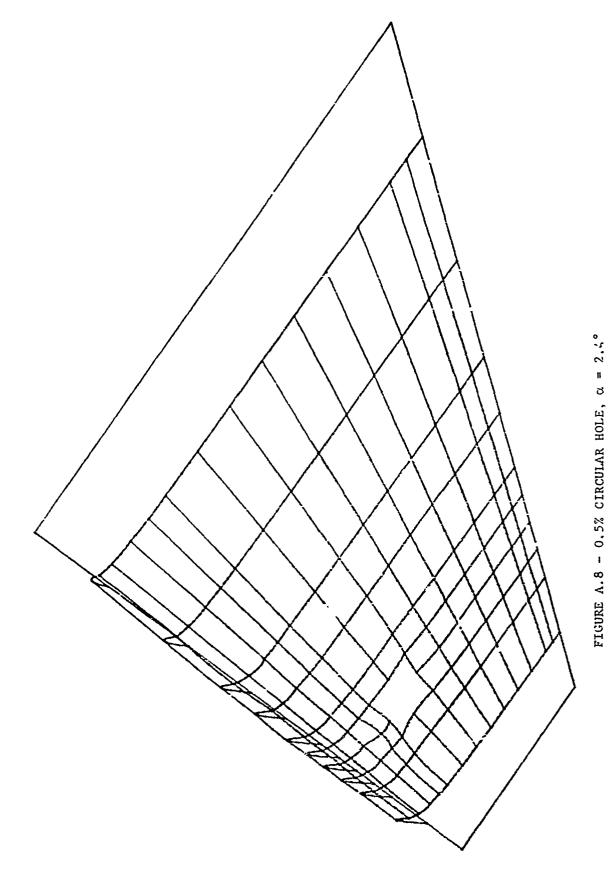


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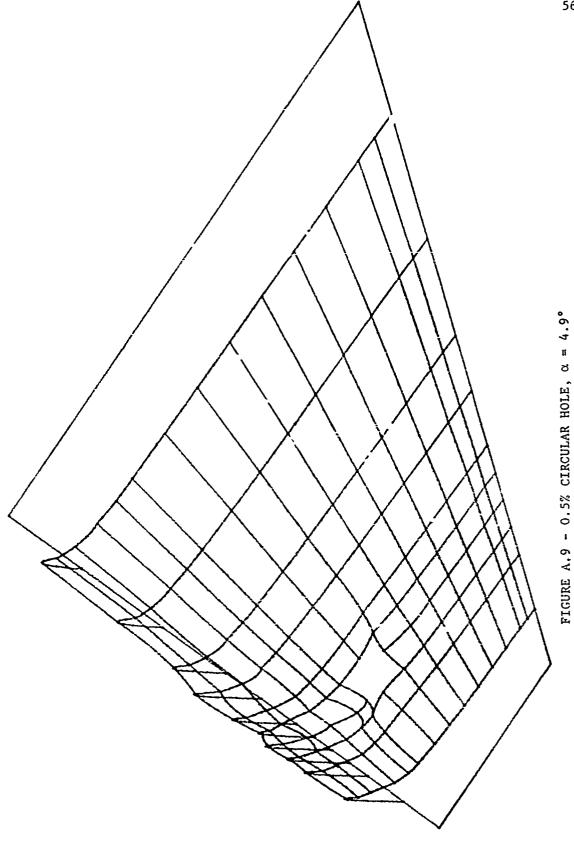


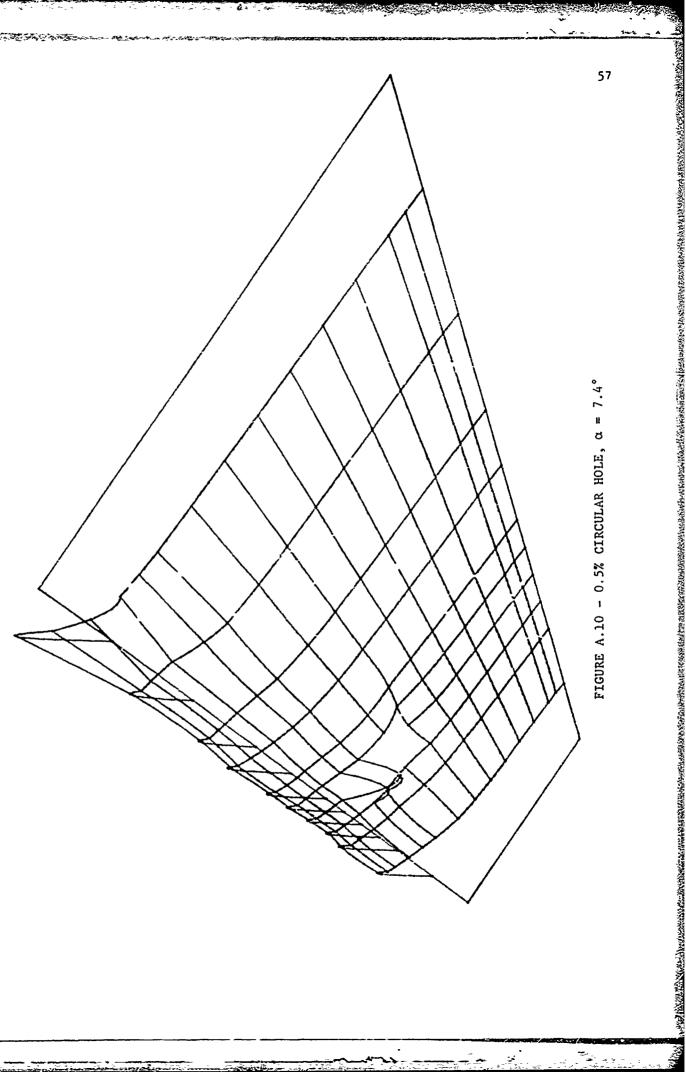
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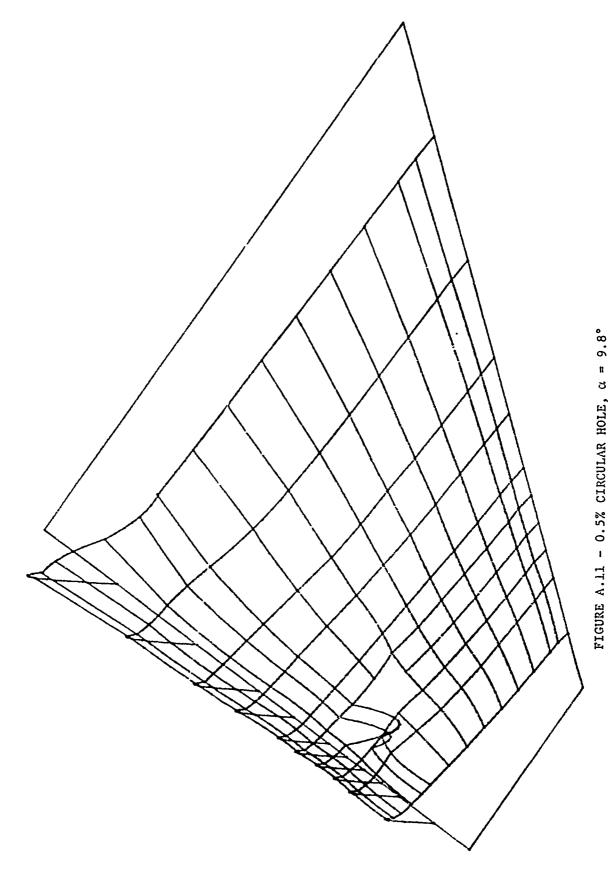
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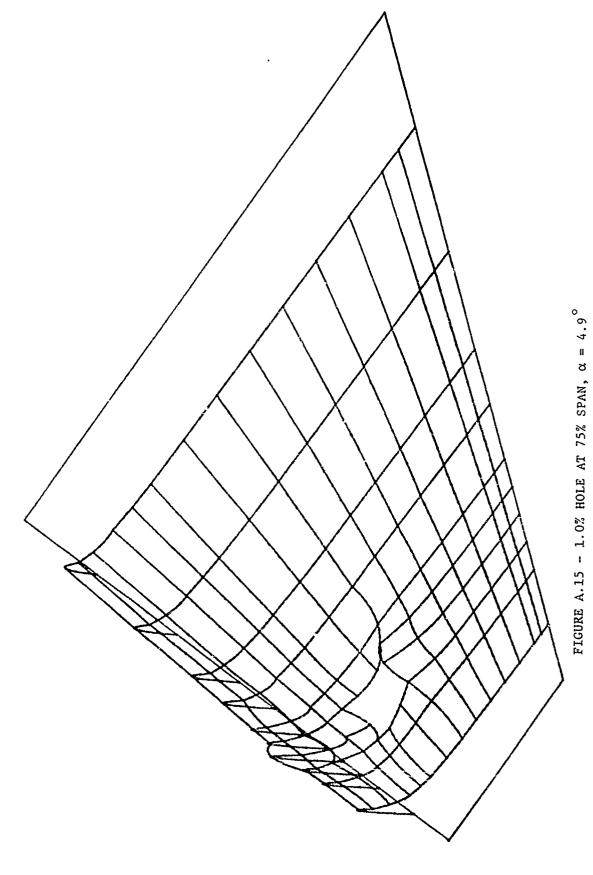
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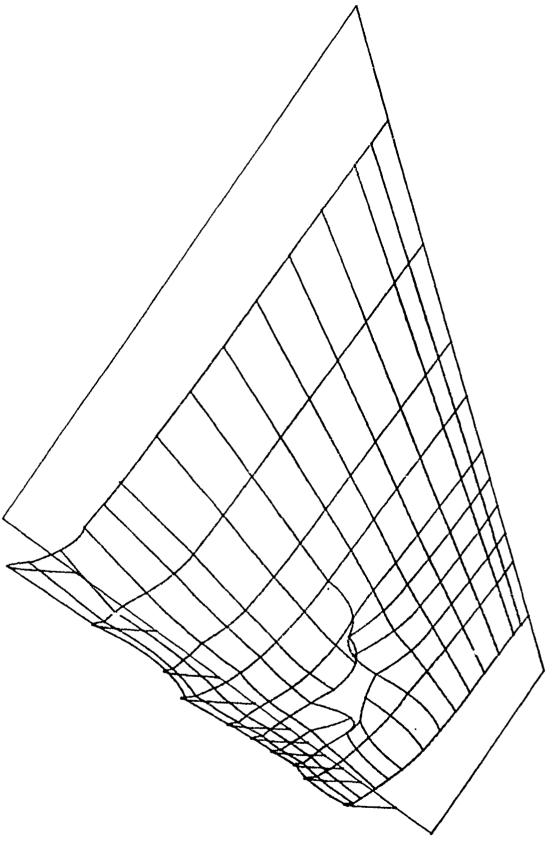
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FIGURE A.16 - 1.0% HOLE AT 75% SPAN, α = 7.3°



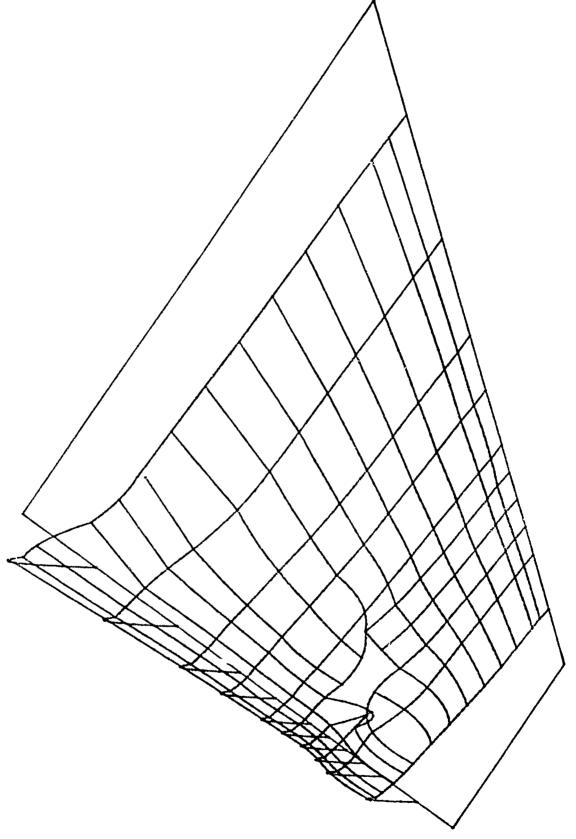
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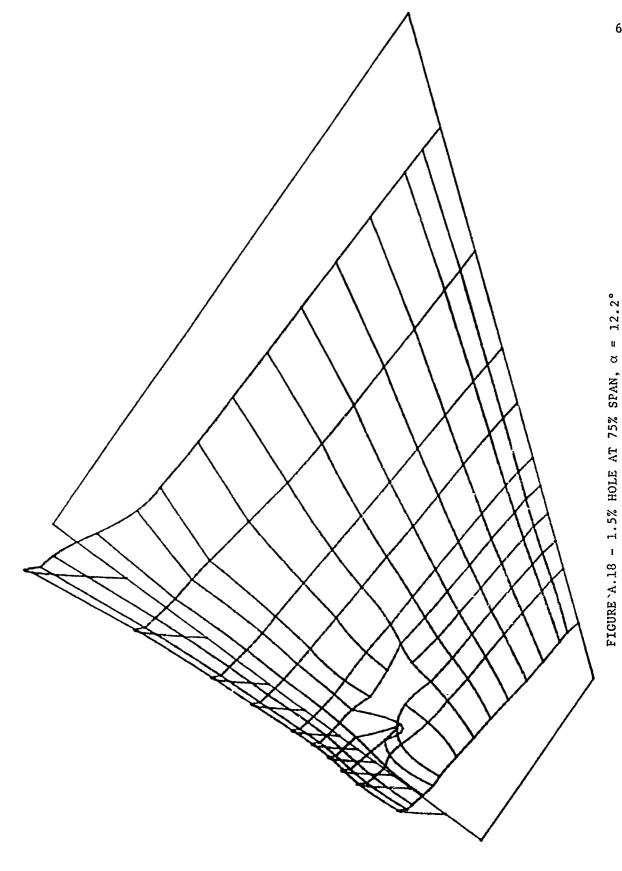
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FIGURE A.17 - 1.0% HOLE AT 75% SPAN, α = 9.8°



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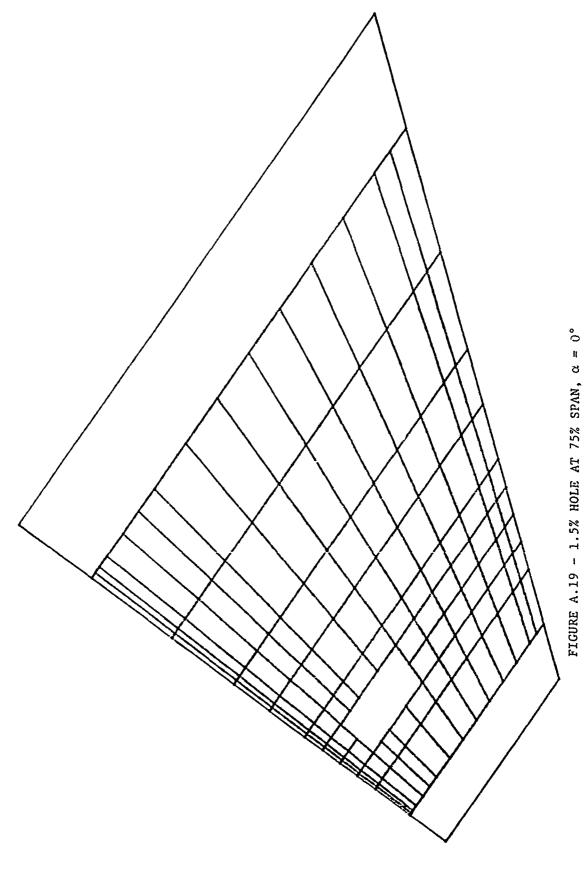
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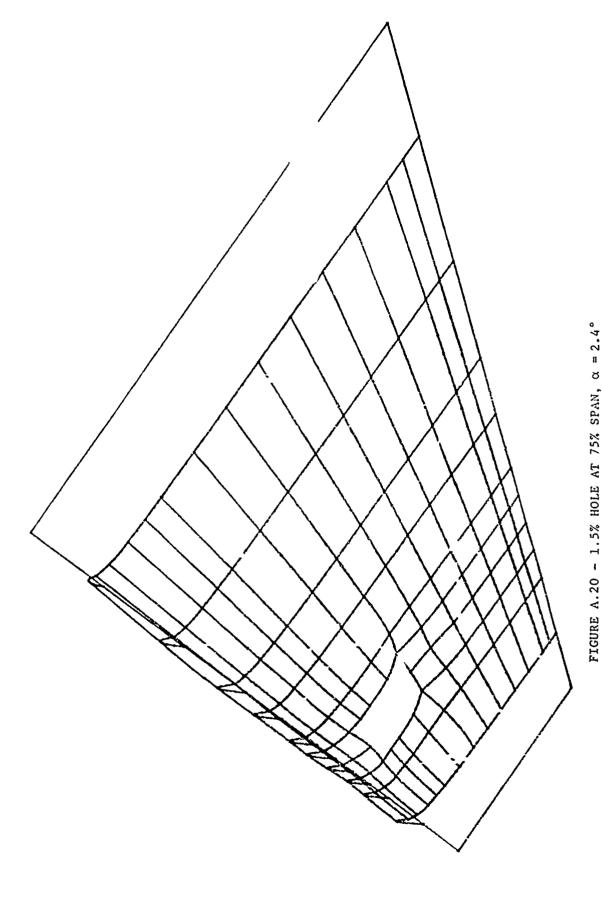
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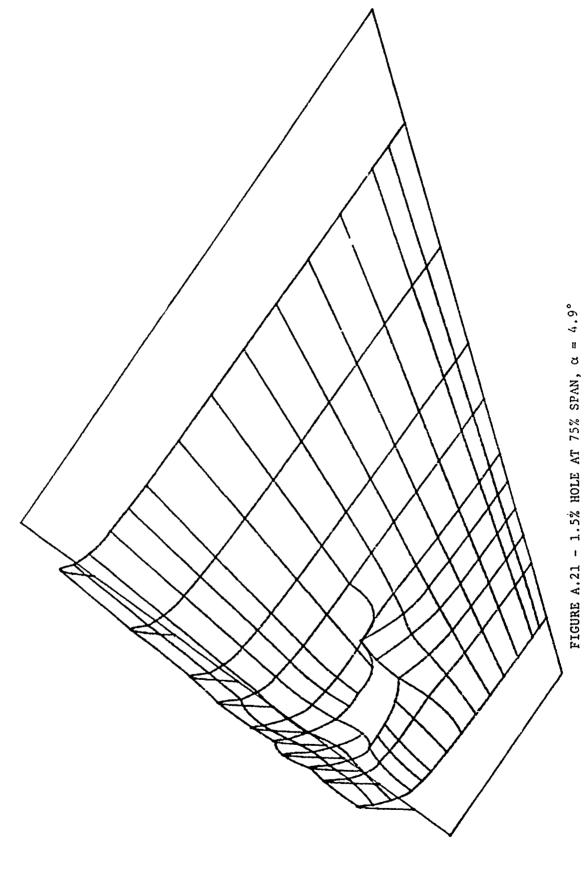
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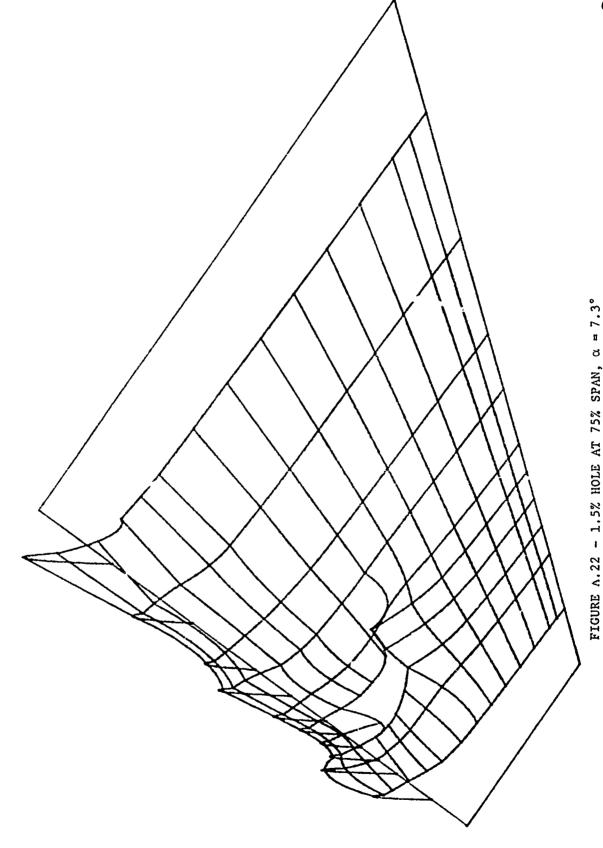


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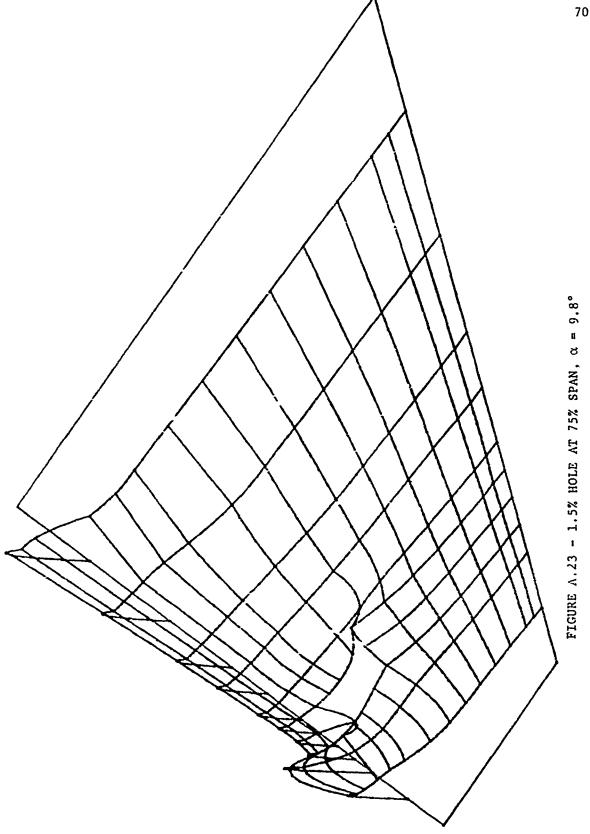
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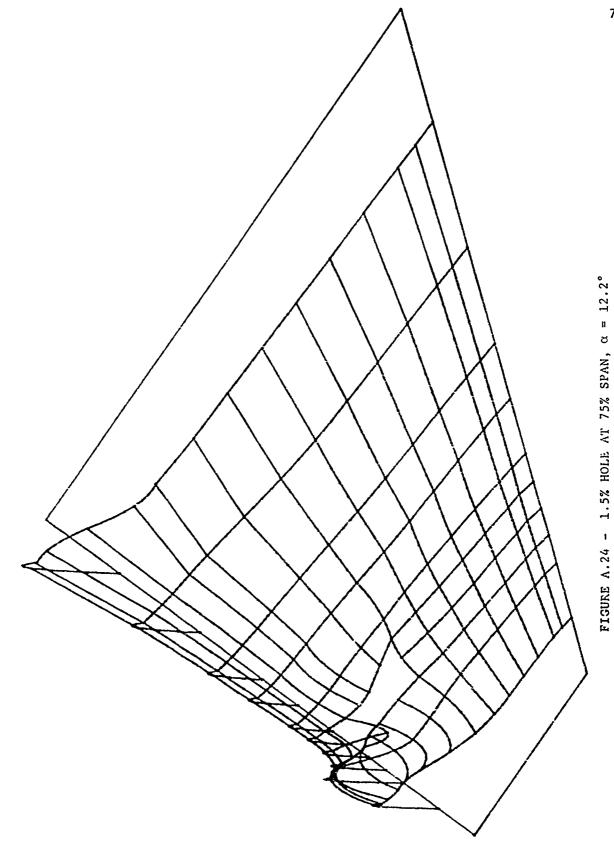


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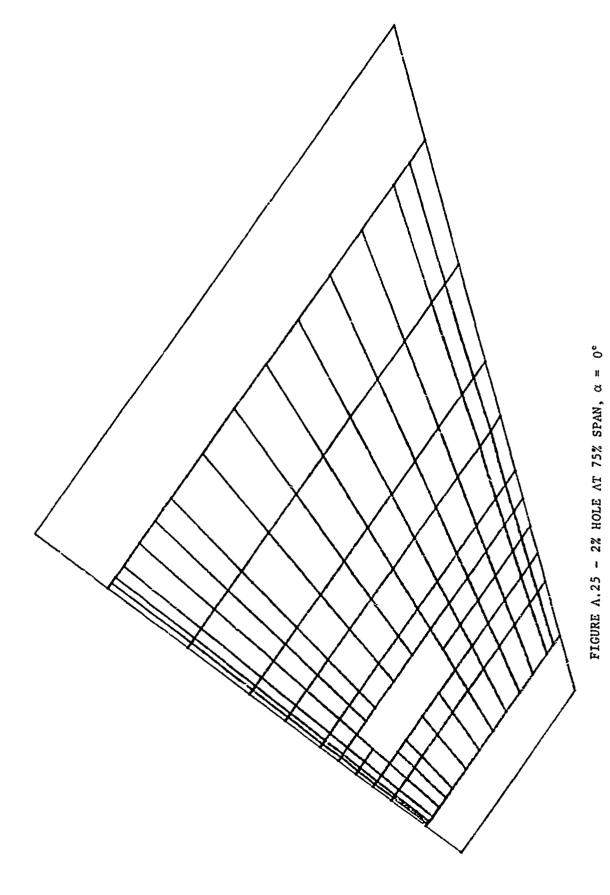
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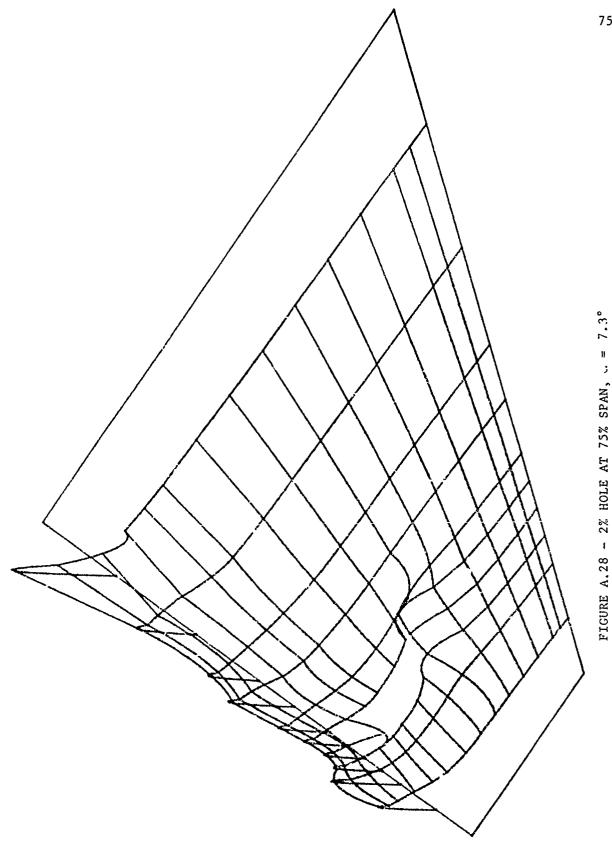
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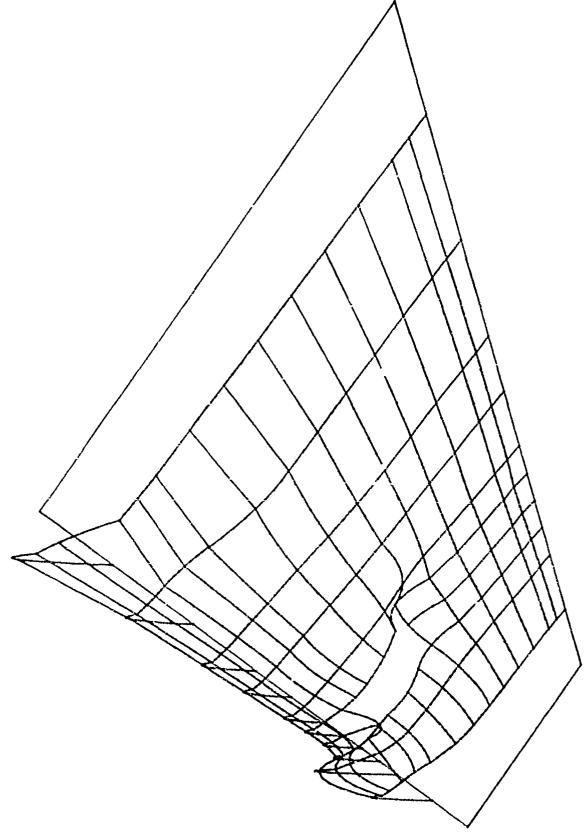
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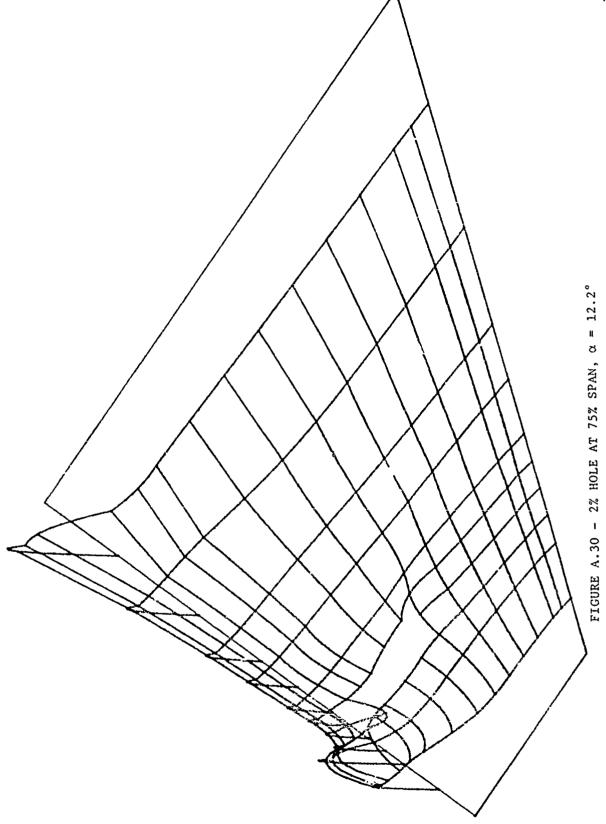


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FIGURE A.29 - 2% HOLE AT 75% SPAN, $\alpha = 9.8^{\circ}$

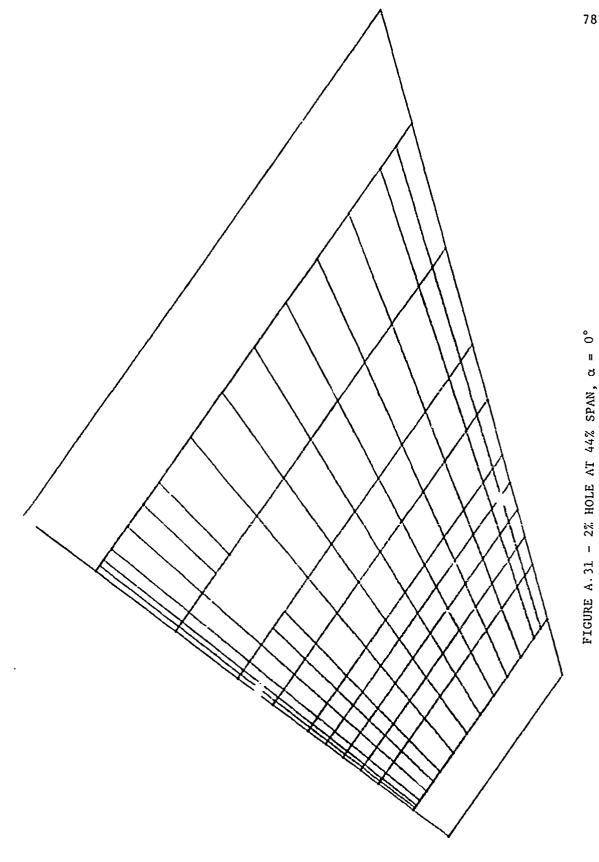


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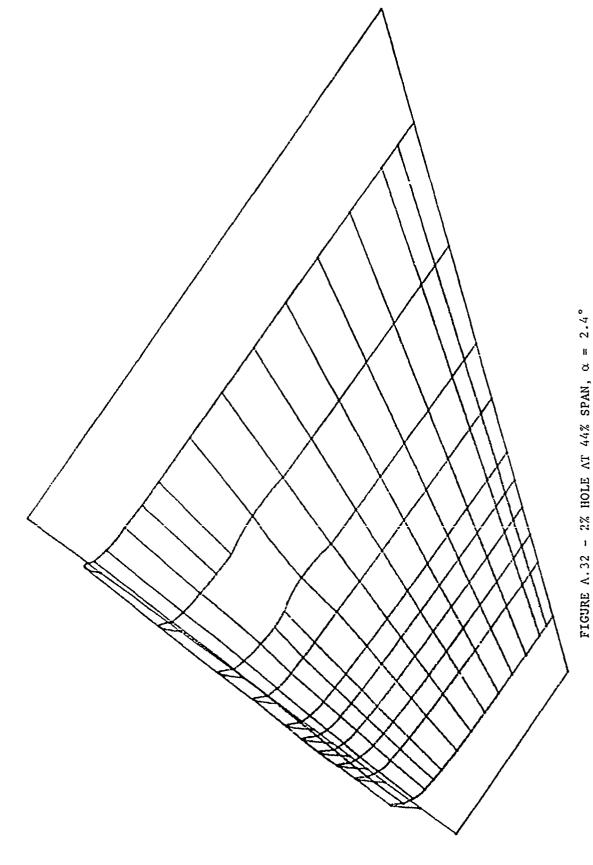


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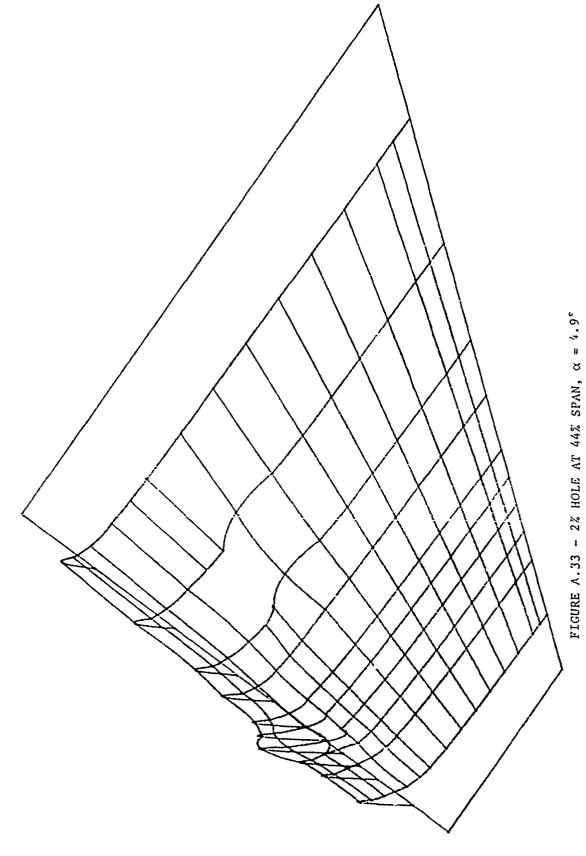
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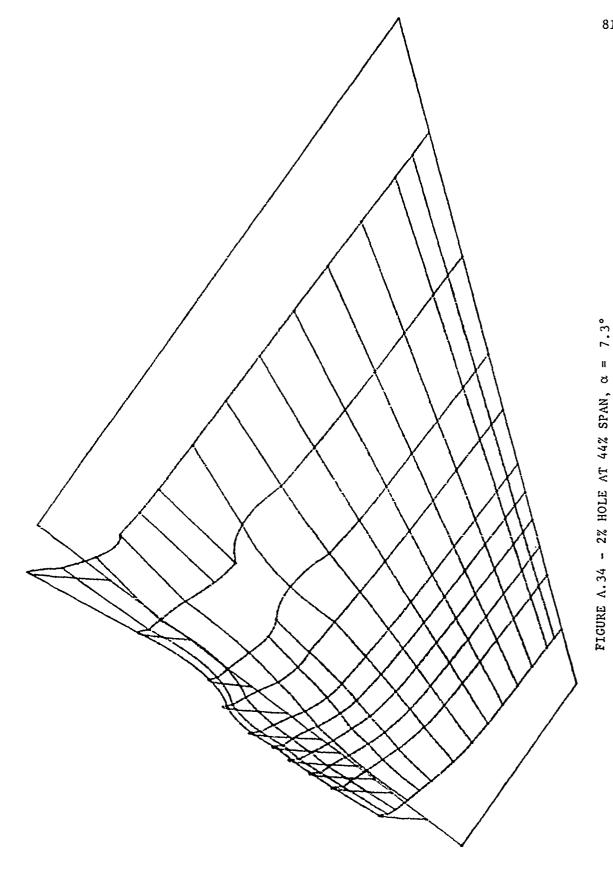


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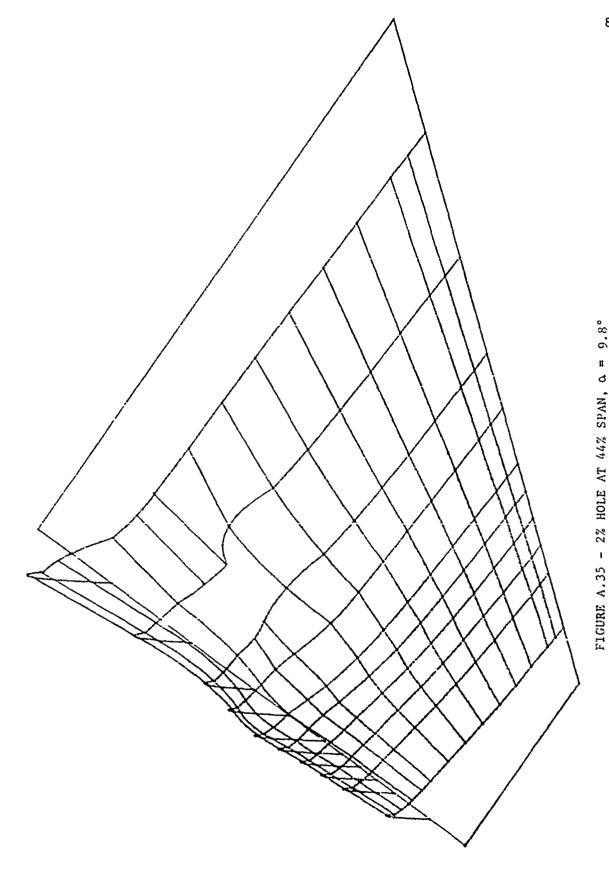
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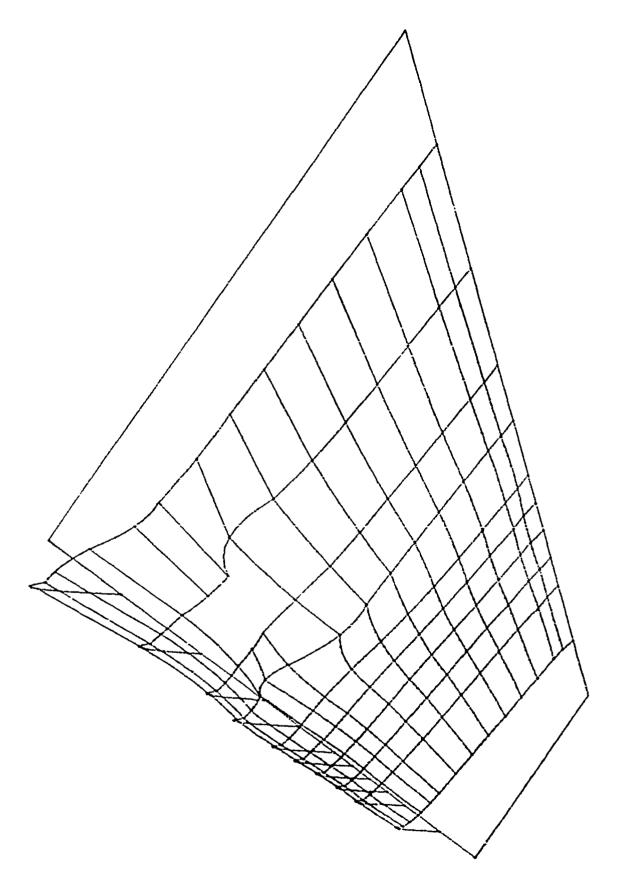


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APPENDIX II

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     0.122
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                                                              0.271
                                              0.231
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      0.113
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                                                                               0.134
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                     -0.071
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                                                             -0.028
                                                                       0.009
     -0.163 - 0.124
                                                           PMS Deviation: 0.018
             Incidence: -7.6 deg.
                                                                               Rowl 0
                                                               BOW 8
                                                       POW 7
                                                                       DOW 3
                                       пои 5
                                              LOW 6
                      Fow 3
                               PCW A
             · Fow 2
      Dow 1
生みつ
                                                                              -2.378
                                                                      -2.006
                                              -1.282
                                                      -1.394
                                                             -1.868
                                     -1.233
                     -1.008
                             -1.072
     -0.735
             -0.908
                                                                       0.553
                                                                               0.538
                                                               0.487
                                                       0.668
                                               0.653
                                       0.653
                              0.631
                      0.650
              0.657
      0.630
                                                                       0.557
                                                               0.570
                                                       0.567
                                       0.559
                                               0.566
                               0.546
                      0.532
              0.535
      0.490
                                                                               0.409
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                                                               0:452
                               0.437
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      0.215
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                                       0.025
                     -0.012
  15 -0.063 -0.038
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Incidence: -5.1 deg.
                                                       EMS Deviation: 0.063
Tap
      Pow 1
             NOW 2
                    Fow 3
                            DOW 4
                                   POW 5
                                           ROW 6
                                                  row 7
                                                          Bow 8
                                                                 FOW 9
                                                                         1:0w10
  1
    -0.945
           -1.549
                   -1.631
                           -1.567
                                  -1.554
                                          -1.392
                                                                -2.533
                                                 -1.616
                                                        -2.149
                                                                        -1.560
     0.606
             0.604
                    0.622
                            0.594
                                   0.592
                                           0.568
                                                  0.511
                                                          0.591
                                                                 0.576
                                                                         0.476
     0.434
  3
             0.459
                    0.486
                            0.473
                                   0.471
                                           0.471
                                                  0.472
                                                          0.473
                                                                 0.449
  .1
     0.319
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                    0.350
                            0.356
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                                           0.355
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  5
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                            0.233
                                   0.228
                                           0.227
                                                  0.235
                                                          0.224
                                                                 0.224
                                                                         0.215
  6
     0.111
             0.179
                    0.151
                            0.162
                                   0.169
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  7
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                    0.106
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                    0.044
                            0.053
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            Incidence: -2.5 den.
                                                       TIS Deviation: 0.072
     Cou I
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                           0.425
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  3
     0.270
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                    0.326
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                                   0,306
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                                                          0.295
                                                  0.342
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    -0.055 -0.039 -0.043 -0.035 -0.035 -0.031
                                                 -0.033
                                                        -0.930 -0.935
 10 -0.057 -0.040 -0.045 -0.045 -0.037 -0.03
                                                 -0.036 -0.052 -0.040 -0.044
            -0.054 -0.042 -0.015 -0.034 -0.035
 1.1
                                                        -0.034 - 0.042 - 0.063
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                          0.227 -0.037 -0.027
    -0.051 -0.046 -0.046
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 13 -0.029 -0.029 -0.032 -0.028 -0.005 -0.010
                                                 -0.014 -0.012 -0.013 -0.021
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 14 -0.021 -0.018
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     0.000
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                                                                        0.007
            Indidence: -0.1 dea.
                                                      T'S Seviation: 0.032
Ton
     POW 1
            DOW ?
                    Pou 3
                           Pow 4
                                   row 5
                                          POW 5
                                                  now 7
                                                         FOW 3
                                                                 700 7
                                                                        DOWL 0
             0.593
  Ĭ
     0.656
                           0.560
                                   0.678
                                          0.574
                    0.660
                                                  0.740
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     0.022 - 0.011
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  3 -0.072 -0.057
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    -0.048 - 0.055 - 0.004 - 0.035 - 0.027 - 0.006
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  5 -0.072 -0.074 -0.058 -0.083 -0.032 -0.057 -0.055 -0.0430-0.023 -0.051
  6 - 0.093 - 0.066 - 0.076 - 0.074 - 0.095 - 0.071 - 0.056 - 0.067 - 0.041
  7 - 0.091
            0.153 -0.082 -0.079 -0.092 -0.067 -0.070 -0.063 -0.049
  8 - 0.097 - 0.101 - 0.096 - 0.092 - 0.086 - 0.098 - 0.066 - 0.0794 - 0.065 - 0.091
  9 -0.109 -0.103 -0.107 -0.104 -0.101 -0.106 -0.076 -0.089 -0.076 -0.076
 10 -0.102 -0.099 -0.100 -0.101 -0.108 -0.096 -0.068 -0.087 -0.078 -0.106
            -0.095 -0.091 -0.083 -0.085 -0.090 -0.071 -0.072 -0.072 -0.072
 11
 12 -0.072 -0.075 -0.080 0.204 -0.080 -0.074 +0.054 -0.055 -0.054 -0.058
```

```
Incidence:
                       2.3 deg.
                                                    THIS Deviation: 0.051
  LOW 1
           now 0
                   row 3
                          POW 4
                                Row 5 Pow 5
                                                TOW 7
                                                       POW 3
                                                              FOW 9
  -0.157
           0.217 - 0.198 - 0.087 - 0.216
                                       0.493
                                               0.438
                                                       0.266
                                                              0.383
                                                                      0.450
  \pm 0.482 - 0.529 - 0.576 - 0.651 - 0.718 - 0.570 - 0.545 - 0.561
                                                             -0.407 -0.289
 3 - 0.378 - 0.401 - 0.380 - 0.333
                               -0.363 - 0.284 - 0.339 - 0.276
                                                             -0.235
 4 - 0.262 - 0.279 - 0.253 - 0.303 - 0.240 - 0.221 - 0.234 - 0.220 - 0.180 - 0.191
 5 - 0.205 - 0.227 - 0.216 - 0.252
                               -0.204 - 0.219 - 0.195 - 0.210 - 0.170 - 0.173
 6 \pm 0.206 \pm 0.214 \pm 0.200 \pm 0.215 \pm 0.200 \pm 0.201 \pm 0.182 \pm 0.195 \pm 0.164
  --0.17l
          - 0.066 -0.193 -0.199 -0.189 -0.189 -0.177 -0.169 -0.156
   -0.155 -0.173 -0.174 -0.176 -0.160 -0.180 -0.150 -0.150 -0.161 -0.148 -0.157
191-0.146 -0.164 -0.174 -0.170 -0.169 -0.173 -0.168 -0.158 -0.154 -0.153 -0.163
40 -0.128 -0.144 -0.147 -0.151 -0.151 -0.154 -0.155 -0.144 -0.141 -0.155
          -0.124 -0.120 -0.125 -0.123 -0.122 -0.140 -0.109 -0.120 -0.143
  -0.097 - 0.099 - 0.097
                         0.367 -6.104 -6.094 -0.332 -6.079 -0.095 -0.079
13 -0.070 -0.074 -0.072 -0.066 -0.065 -0.07] -0.086 -0.089 -0.040 -0.036
                  0.005 -0.022 -0.034 -0.036 -0.015 -0.025 -0.021 -0.010
14 -0.044 -0.046
          0.000
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15 - 0.002
          Indidence:
                     4.8 Com.
                                                    TWS previotion: 0.102
          TOW 2 POUR DOWN FOR 5 FOR 5
                                               Four 7
                                                      rou 8
                                                              FOW 9
                                                                      FOWLOW
 1 -0.608 -1.305 -1.230 -1.333 -1.335 -0.438 -0.096 -2.132 -2.478 -1.417
  -1.141 -1.603 -1.341 -1.658 -1.065 -1.429 -1.553 -1.208
                                                             -1.003 -0.700
 3 -1.066 -0.922 -1.280 -1.280 -1.185 -1.307 -1.167 -0.727 -6.617
   -0.884 -0.701 -0.876 -0.894 -0.904 -0.991 -0.503 -0.535 -0.455 -0.417
  -0.519_-0.460_-0.464_-0.443_-0.437_-0.401_-0.421_-0.420_-0.359_-0.334
 6 -0.356 -0.405 -0.362 -0.356 -0.368 -0.353 -0.362 -0.364 -0.315
 7 + 0.274 + 0.060 + 0.319 + 0.320 + 0.326 + 0.304 + 0.333 + 0.315 + 0.200
  -0.235 -0.284 -0.271 -0.281 -0.276 -0.268 -0.264 -0.269 -0.246 -0.264
9 -0.221 -0.241 -0.244 -0.253 -0.260 -0.247 -0.252 -0.252 -6.235
10 -0.103 -0.711 -0.211 -0.714 -0.223 -0.215 -0.216 -0.222 -0.207 -0.227
          -0.183 -0.174 -0.172 -0.180 -0.170 -0.163 -0.164 -0.102 -0.202
11
  -0.147 - 0.142 - 0.141
                         -0.137 -0.147 -0.137 -0.155 -0.128 -0.144 -0.148
13 -0.124 -0.116 -0.099 -0.095 -0.104 -0.102 -0.138 -0.094 -0.082 -0.104
14 -0.096 -0.074 -0.016 -0.051 -0.059 -0.055 -0.077 -0.047 -0.042 -0.055
15 -0.057 -0.034 -0.027 -0.016 -0.003 -0.027 -0.029 -0.019 -0.015 -0.026
          Indidence:
                      7.3 den.
                                                    Dus Deviation: 0.076
           Pow 2 Tow 3 Tow 4
                                FOW 5 POW 5
                                               FOU 7
                                                      Fou A Fow A Rould
 l -0.508 -0.821 -1.084 -1.120 -1.262 -0.875 -1.108 -1.572 -2.226
 2 -0.723 -1.075 -1:110 -1.130 -1.256 -1.467 -1.398 -1.421 -2.227
  -0.719 -0.957 -0.996 -1.119 -1.273 -1.375 -1.374 -1.396 -2.064
  -0.754 -0.980 -1.057 -1.158 -1.196 -1.251 -1.380 -1.360.-0.960
 5 -0.727 -0.919 -0.998 -1.145 -1.139 -1.104 -1.122 -1.005 -0.501
                                                                    -0.471
 6 -0.731 -0.878 -0.907 -0.961 -0.945 -1.012 -0.807 -0.825 -0.549
 7 - 0.708 - 0.435 - 0.790 - 0.744 - 0.719 - 0.734 - 0.621 + 0.5465 - 0.452
8 - 0.525 - 0.607 - 0.564 - 0.504 - 0.509 - 0.469 - 0.373 - 0.373 - 0.390 - 0.331
9 -0.379 -0.438 -0.424 -0.358 -0.390 -0.329 -0.317 -0.320 -0.320 -0.320
10 -0.305 -0.315 -0.343 -0.266 -0.292 -0.262 -0.280 -0.280 -0.298 -0.274
          -0.240 -0.256 -0.209 -0.212 -0.207 -0.251 -0.222 -0.251
12 - 0.232 - 0.191 - 0.193
                         0.099 -0.177 -0.169 -0.177 -0.174 -0.200
                                                                    -0.175
13 - 0.182 - 0.149 - 0.137 - 0.125 - 0.128 - 0.129 - 0.144 - 0.137 - 0.135 - 0.114
  -0.144 -0.112 -0.053 -0.030 -0.083 -0.082 -0.085 -0.087 -0.090 -0.089
15 -0.126 -0.084 -0.077 -0.047 -0.037 -0.055 -0.055 -0.060 -0.056 -0.025
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Best Available Copy

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      6 -0.711 -0.740 -0.760 -0.810 -0.030 -0.037
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                               -0.562 -0.538 -0.527 -0.526 -0.730 -0.490 -0.331 -0.235
                                                                                                                                                                                             -0.342氢
          -0.464 -0.453 -0.457 -0.130 -0.442 -0.439 -0.357 -0.277 -0.259 -0.261
   13 -0.404 -0.376 -0.370 -0.376 -0.343 -0.329 -0.269 -0.212 -0.177 -0.189 14 -0.344 -0.315 -0.241 -0.296 -0.271 -0.261 -0.186 -0.117 -0.139 -0.113
  15 -0.320 -0.279 -0.252 -0.258 -0.240 -0.220 -0.177 -0.113 -0.093 -0.075
                                                                                                                                                                                                097 $10.
Powl 92
                                Incidence: 12.3 dea.
                                                                                                                                                DTS Deviation: 0.097
Tap Fow 1
                                Fow 2
                                                   Fow 3 Fow 4
                                                                                             Pow 5
                                                                                                              FOW 5
     10 Fow 1 Fow 2 Fow 3 Fow 4 Fow 5 Fow 6 Fow 7 Fow 8 Fow 9 Row10 Page 1 -0.661 -0.735 -0.767 -0.955 -0.917 -0.707 -1.124 -1.421 -1.606 -2.606 Page 2 -0.647 -0.659 -0.718 -0.600 -0.629 -0.670 -1.072 -1.201 -1.537 -2.464 Page 3 -0.647 -0.686 -0.754 -0.793 -0.810 -0.855 -1.041 -1.222 -1.533 -- 4 -0.648 -0.675 -0.748 -0.739 -0.824 -0.944 -1.033 -1.201 -1.552 -2.352 Page 3 -0.647 -0.657 -0.703 -0.760 -0.768 -0.764 -0.764 -0.965 -1.119 -1.556 -1.265 Page 3 -0.667 -0.703 -0.760 -0.768 -0.763 -0.965 -1.110 -1.358 -0.667 -0.760 -0.763 -0.763 -0.764 -0.965 -1.110 -1.358 -0.667 -0.765 -0.765 -0.764 -0.764 -0.665 -0.665 -1.110 -1.358 -0.667 -0.765 -0.765 -0.765 -0.765 -0.765 -0.765 -0.765 -0.765 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.665 -0.6
                                                                                                                                     FCW 7
                                                                                                                                                       Fow 8 Fow 9
                                                                                                           -0.675 -0.653
                                                                      -1.577
                                                                                         -0.650
           -0.657 -0.655
                                                  -0.500
                                                                      -3.750 -0.773
           -0.555 -0.575
                                                          • . -
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                                                                      -1.101 -1.115
                              -1.535 - .495 -1.510 -0.45% -1.57 -
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PROPERTY OF STREET, ST

Field Bernad

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pre peviation: 0.026
            Incidenca:-12.4 ∂od.
                                                           FO9 3
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                                                   F01 7
                    Cow 3
                                    row 5
            now ?
                            FOW 4
Car
     DCM ]
                                   -0.309 -0.006
                                                  -0.007 -1.111 -1.404
    -0.751 -0.869 -0.019 -0.838
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                                                           1.711
                                                                  1.727
                                    0.552
                                                                          0.753
                                           1.571
                                                   0.595
                    0.559
                            1.655
     0.547
            3.654
                                   0.595
                                           0.505
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                            0.579
                                                   0.530
                                                          -0.127
                    0.535
     0.548
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                                                             " A >
                                                                          3.572
                            0.472
                                    7.422
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     0.430
             9.157
                    9.443
                                                           9.414
                                           1.356
                                                                   5.10
                                                                          9.432
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     1.285
                    0.286
                            0.203
                                    0.345
            9.336
                                                                  7.314
                                    0.231
                                                           2.327
                                                                          0.372
                                           4.272
                                                   0.310
            0.355
                    0.158
     0.199
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            0.217
                    0.197
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                                    0.115
                                           0.130
                                                   1,140
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     0.031
             0.131
                                           0.093
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                                                                          0.3.55
                            0.131
                                   0.131
                                                   0.100
                                                           0.116
                    0.098
   -0.033
             0.046
                                                                  0.095
                                           0.049
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                    0.009
                            0.925
                                    0.038
   -0.083 - 0.020
 1.0
                                                                          0.063
 11 -0.125 -0.071 -0.047 -0.032 -0.016 -0.008
                                                   0.002
                                                           0.023
                                                                  0.040
 12 -0.158 -0.109 -0.097 -0.084 -0.075 -0.055 -0.034 -0.005
                                                                  0.910
                                                                          0.048
 13 -0.188 -0.160 -0.149 -0.130 -0.118 -0.109 -0.083 -0.051 -0.004
                                                                          0.026
                                                                          0.006
 14 - 0.262 - 0.246 - 0.215 - 0.196 - 0.200 - 0.177 - 0.144 - 0.120 - 0.034
 15 -0.302 -0.272 -0.257 -0.226 -0.205 -0.250 -0.207 -0.170 -0.080 -0.008
                                                        P''S Deviation: 0.019
            Incidence: -9.9 deq.
                                                          POW 3
                                                                  Row 9
                                                                          Row10
             Row 2
                    ROW 3
                           Pow 4
                                    Row 5
                                           POW 5
                                                   Pow 7
     Row 1
Tap
    -0.899 -0.879 -0.858 -0.805 -0.836 -0.856 -0.989 -1.157
                                                                 -1.602
                                                                   0.716
                                                                          0.727
                                    0.657
                                           0.560
                                                   0.682
                                                           0.708
             0.660
                    0.646
                            0.638
     0.644
     0.539
             0.556
                                           0.580
                                                   0.594
                                                           0.157
                                                                   0.633
                                                                           ___
                     0.537
                            0.549
                                    0.560
                                                                          0.517
                                           0.471
                                                   0.494
                                                           0.514
                                                                   0.522
                            0.436
                                    0.460
     0.413
             0.449
                     0.421
                                    0.315
                                           0.335
                                                   0.362
                                                           0.373
                                                                   0.378
                                                                          0.383
                            0.258
     0.270
             0.315
                     0.263
                                                   0.284
                                                                   0.294
                                                                          0.317
                                           0.248
                                                           0.293
                                    0.217
     0.194
             0.252
                     0.145
                                                   0.229
                                                           0.239
                                                                   0.241
                     0.159 - 0.928
                                    0.104
                                           0.193
  7
     0.133
             0.206
                                                                   0.173
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                                           0.128
                                                           0.166
                                    0.131
                                                   0.131
     0.051
             0.135
                    0.229
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                                                                   0.115
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    -0.001
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                                    0.138
                                           0.107
                                                   0.096
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             0.065
                    0.103
                                                                   0.073
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                                           0.051
                                                   0.057
                                                           0.051
 10
    -0.039
             0.007
                    9.930
                            0.049
                                    0.053
                                                                   0.043
                                                                          0.057
                                           0.020
                                                   0.029
                                                           0.043
 11 -0.069 -0.031 -0.007
                            0.008
                                    0.015
                                                                          0.054
                                                                   0.021
 12 - 0.082 - 0.047 - 0.041 - 0.023 - 0.023 - 0.012
                                                   0.011
                                                           0.025
 13 -0.089 -0.072 -0.065 -0.046 -0.045 -0.038 -0.016
                                                           0.002
                                                                   0.027
                                                                          0.044
                                                                          0.036
 14 -0.127 -0.109 -0.094 -0.030 -0.088 -0.074 -0.045 -0.031
                                                                   0.017
                                                                   0.001
                                                                          0.029
 15 -0.139 -0.111 -0.098 -0.090 -0.077 -0.106 -0.079 -0.050
                                                        RMS Deviation: 0.026
            Incidence: -7.5 deq.
                    Row 3
                                    Row 5
                                           POW 6
                                                   Row 7
                                                           Row 8
                                                                   ROW 9
                                                                           BOW10
           Fow 3
                           Row 4
     Pow l
Tap
    -1.159 -1.079 -0.882 -0.897 -1.037 -1.078 -1.248 -1.661 -1.905
                                                                           0.544
                                                    0.562
                                                           0.673
                                                                   0.654
                                            0.534
                     0.618
                            0.620
                                    0.638
     0.645
             0.531
                                            0.541
                                                   0.551
                                                           0.008
                                                                   0.562
                                                                           ___
             0.513
                     0.494
                            0.595
                                    0.519
     0.513
  3
                                                           0.457
                                                                   1.443
                                                                          0.423
                                                   0.440
             0.393
                     0.37%
                            0.390
                                    9.412
                                            0.432
     0.379
                                                   0.314
                                                                           0.298
                                            0.300
                                                           0.324
                                                                   0.313
             0.273
                     0.223
                            0.231
                                    9.276
  5
     0.241
                                                                           0.252
             0.211
                                            0.210
                                                   9.249
                                                           0.250
                                                                   0.243
                     9.119
                                    0.181
     0.150
                             ___
                     0.133 -0.599
                                                   0.192
                                                           0.203
                                                                   0.200
                                    0.038
                                            9.163
  7
     3.102
             0.178
                                                   0.999
                                                                           0.129
                                            0.107
                                                           0.335
                                                                   0.136
  3
     0.034
             0.114
                     0.183
                             __
                                    0.128
                                                                           0.084
                                            0.082
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                                                           0.083
                                                                   0.092
  9 - 0.004
             0.057
                     1.975
                             0.116
                                    0.115
                                                    0.042
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                                            0.042
                                                           0.047
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             0.018
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 10 -0.030
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                                                           0.038
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                                                                           ი.033≨
                     0.001
                            0.115
                                    0.027
                                            0.020
 11 -0.943 -0.995
    -0.044 - 0.015 - 0.017 - 0.001 - 0.001
                                            0.093
                                                    0.020
                                                           0.835
                                                                   0.015
                                                                           0.041
 13 -0.046 -0.025 -0.028 -0.011 -0.005 -0.007
                                                   0.006
                                                           9.917
                                                                   9.325
                                                                           0.036
 14 -0.062 -0.042 -0.032 -0.020 -0.020 -0.014
                                                    0.005
                                                           9.906
                                                                   9,026
                                                                           9.037
                                                                   0.011
                                                                           0.036
 15 -0.053 -0.024 -0.018 -0.012 0.009 -0.023 -0.002.
                                                           0.003
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TYS Deviation: 0.023
           Incidence: -5.9 don.
                                                       Pow 3
                                                              C WOR
                                               RCW 7
                                                                      Powl 3
           Row 3
                  FOR 3 FOR 4
                                 POW 5
                                        POW 5
    Low 1
Tan
                                               -1.954 - 2.735 - 2.150
  1 -0.910 -1.519 -1.549 -1.542 -1.453 -1.331
                                         1.343
                                                0.593
                                                        7.357
                                                               0.577
                          0.537
                                 9.597
                   0.305
            0.513
                                         3.463
                                                               7.455
                          0.445
                                 3.414
                                                0.453
                                                        3.450
                   3.459
    0.423
            0.459
                                        9.348
                                                       0.333
                                                               3.349
                                                                      0.2895
                                  0.343
                                                0.350
                   0.342
                          0.351
            0.342
     0.310
                                                                      0.1844
                                                       0.321
                                  9.215
                                        9.317
                                                0.233
                                                               7.217
                          0.204
            0.215
                   0.191
     0.130
                                         1.145
                                                9.151
                                                       0.155
                                                               0.153
                                                                      0.1423
                                  1.131
            0.138
                   0.133
     0.111
                                        0.115
                                                       0.115
                                                               0.123
                                                3,127
     0.965
            0.100
                   0.111 - 0.238
                                  0.070
  7
                                                       3.058
                                                               9.757
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            9.942
                                        0.365
                                                0.053
                                  0.111
                   7.093
     0.009
                                                                      ្.031ន្ទី
                                                0.005
                                                       1,031
                                                               1.927
                                        7.133
                         0.043
                                 0.035
            0.013
                   0.025
  9 - 9.327
 19 -9.951 -0.918 -0.999 -0.993 -9.901 -9.998
                                                າຸາດາ
                                                       0.002
                                                               1.793
                                                                      0.005$
 11 -0.058 -0.030 -0.030 -0.017 -0.006 -0.300 -0.311
                                                      0.900 -0.919 -9.907
 12 -0.047 -0.028 -0.023 -0.020 -0.020 -0.01
                                                                      0.003
                                               -0.005 -0.001 -0.011
 13 -0.037 -0.020 -0.024 -0.016 -0.016 -0.011 -0.000 -0.003
                                                              1.331
                                                                      9.113
                                               1,105 -0.102
                                                               7.919
                                                                      0.9264
 14 -0.036 -0.026 -0.011 -0.003 -0.012 -0.001
                                                               1,013
                                                0.013 0.000
                                                                      7.034第
 15 -0.017 0.004 0.013 0.025 0.032
                                        1.003
                                                     tio ingiption: 9.077
           Incidence: -2.5 Pes.
                                                50 · 7
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                          TOI 1
                                  1077 3
                                        100 1 E
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            1000
                   70# 3
    Fow 1
  1 -0.259 -0.831 -0.540 -1.4 5 -1.551 -1.563 -3.790 -1.75
                                                              -1.215
                           3.253
                                                                      1.27辑
                                 0.301
                                        0.337
                                                0.355
                                                       0.300
                                                               1.345
                  0.157
           0.441
                          7.237
                                  0.273
                                        ). ~ ^ 7
                                                0.215
                                                       1.111
                                                               0.242
                   0.232
            9.255
     0.247
                                                                      0.1394
                                                       0.375
                                                              9.173
                                        9.1.17
                                                0.173
            0.134
                   0.173
                           2.1.1
                                  0.133
     0.144
                                                1.100
                                  0.005
                                                                      0.0523
            0.087
                                        0.007
                                                        3.334
                                                               0.333
                           1.363
                   5.077
     0.053
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                                         0.151
                                                 2.042
                                                        1.151
            9.345
                   9.924
     2.011
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                                                       7.139
                                                               3.325
                   1.127 -1.171
                                                1, 113
  7 -0.019
           0.933
                                                               7.901 -7.015
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                                         0.001 -0.024 - 1.002
                                  3.343
  8 - 0.048 - 0.011
                   0.011
  9 -0.067 -0.033 -0.039 -0.013 -0.033 -1.021 -0.044 -0.027 -0.022 -0.043
 10 -0.977 -0.952 -0.937 -0.853 -1.013 -).935 -9.950 -0.840 -0.925 -9.048
 11 -0.070 -0.952 -0.047 -0.045 -0.034 -0.013 -0.043 -0.025 -0.044 -0.049
 12 - 0.053 - 0.036 - 0.037 - 0.034 - 0.032 - 0.031 - 0.025 - 0.012 - 0.035 - 0.013
 13 -0.041 -0.029 -0.033 -0.023 -0.022 -0.023 -0.026 -0.013 -0.012 -0.012
                                                                      0.007
 14 -0.031 -0.021 -0.008 -0.007 -0.011 -0.003 -0.005 -0.009
                                                              0.003
                                                                      0.013
 15 -0.011 0.008 0.024 0.018 0.034 0.006 -0.002 -0.004 0.008
                                                     PMS Deviation: 0.036
            Incidence: -0.2 dea.
                                                       POW 9 POW 9
                                                                      Row10
                                        Pow 5
                                                row 7
                                  POW 5
            Pow 2
                   row 3
                          row 4
Tap
    Pow 1
                                         0.625
                                                0.697
                                                       0.659
                                                              0.664
                           0.572 0.681
                   0.665
     0.659
            0.679
                                                                      C.003
  2 -0.015 0.004 -0.089 -0.131 -0.096 -0.134 -0.102 -0.018 -0.002
                                                       0.584 -0.015
  3 -0.055 -0.040 -0.075 -0.046 -0.021 -0.037 -0.023
  4 -0.070 -0.056 -0.063 -0.056 -0.036 -0.049 -0.057 -0.041 -0.038 -0.026
  5 -0.091 -0.083 -0.096 -0.094 -0.081 -0.085 -0.085 -0.079 -0.087 -0.050
                                 -0.092 -0.092 -0.091 -0.088 -0.075 -0.056
  5 -0.109 -0.091 -0.091
                           ---
  7 - 0.110 - 0.095 - 0.051 - 0.229 - 0.098 - 0.094 - 0.097 - 0.092 - 0.091
                                 -0.025 -0.092 -0.117 -0.107 -0.094 -0.100
                          --
  8 - 0.114 - 0.113 - 0.125
  9 -0.122 -0.122 -0.123 -0.175 -0.155 -0.116 -0.121 -0.113 -0.108 -0.116
 10 -0.118 -0.111 -0.110 -0.123 -0.117 -0.117 -0.122 -0.112 -0.110 -0.119
 11 -0.112 -0.093 -0.100 -0.105 -0.396 -0.100 -0.112 -3.003 -0.105 -0.112
 12 -0.083 -0.082 -0.070 -0.073 -0.085 -0.063 -0.070 -0.088 -0.372 -0.05覆
 13 -0.952 -0.951 -0.053 -0.040 -0.059 -0.048 -0.054 -9.042 -0.036 -0.93
 14 -0.032 -0.036 -0.024 -0.013 -0.029 -0.031 -0.035 -0.031 -0.011 -0.010
 15 - 0.002 \quad 0.002 \quad 0.021 \quad 0.011 \quad 0.024 \quad 0.002 - 0.023 - 0.015 - 0.003 \quad 0.002
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pun covintion: 0.965
         Indianne:
                                                     2001 2
                                                           5.0% 3
         POW ? POW 3 POW 4
                                Pow 5
                                     POW 5
                                             row 7
                                                                  POWLO
  ROW 1
                                                            ).);?
          9.150 - 0.438 - 0.257 - 0.045
                                      0.242
                                              0.284 0.341
   0.371
  -0.583 -0.579 -0.523 -0.729 -0.735 -0.755 -0.588 -0.530 -0.325 -0.355
 3 - 0.415 - 0.428 - 0.416 - 0.407 - 0.396 - 0.373 - 0.369
                                                    0.41' -1.324
 4 -0.306 -0.257 -0.270 -0.273 -0.270 -0.200 -0.253 -0.250 -0.340 -0.235
  -0.258 -0.225 -0.231 -0.260 -0.218 -0.239 -0.261 -0.221 -0.315 -0.199
                               -0.209 - 0.217 - 0.226 - 0.2 4 - 0.203 - 0.159
  -0.222 - 0.221 - 0.179
 7 -0.193 -0.213 -0.104 -0.223 -0.194 -0.107 -0.305 -0.210 -0.180
                              -0.134 -0.173 -0.211 -0.131 -0.150 -0.175
3 -0.175 -0.215 -0.273
                        --
9 -0.168 -0.101 -0.214 -0.332 -0.272 -0.203 -0.102 -0.101 -0.184 -0.179
10 - 0.149 - 0.162 - 0.156 - 0.179 - 0.174 - 0.131 - 0.134 - 0.154 - 0.165 - 0.169
11 -0.135 -0.130 -0.135 -0.136 -0.135 -0.141 -0.165 -0.133 -0.141 -0.143
12 -0.107 -0.107 -0.105 -0.111 -0.116 -0.107 -0.135 -0.104 -0.115 -0.108
13 -0.083 -0.077 -0.077 -0.033 -0.073 -0.075 -0.086 -0.075 -0.081 -0.075
14 -0.053 -0.048 -0.035 -0.041 -0.644 -0.037 -0.043 -0.045 -0.029 -0.033
15 -0.015 -0.008 -0.000 -0.001 -0.005 -0.015 -0.012 -0.003 -0.017 -0.008
                                                  TYP Printion: 0.138
          Irciliance: 4.7 %.
                               Thou 3 101 G FOW 7 POW 4 FOW 9
          Fow 3 Tow 3 Tow 4
                                                                   CIWO
   POW 1
 1 -0.722 -0.400 -1.131 -1.073 -1.136 -0.136 -1.20; -0.373 -1.080
 2 -1.207 -1.335 -1.302 -1.461 -1.150 -1.400 -1.715 -1.11 -6.301 -0.705
 3 -1.00: -1.007 -1.310 -1.00 -1.130 -1.301 -1.101
                                                    1.000 -4.312
 1 -0.925 -0.265 -0.275 -0.270 -0.715 -1.992 -0.012 -0.753 -0.719 -0.774 -0.372
 # -0.506 -0.430 -0.400 -0.103 -0.300 -0.111 -0.130 -0.450 -0.375 -1.305
                       -- -).352 -).237 -0.351 -0.3.7 -0.332 -).25£
 6 -0.340 -0.360 -0.207
9 -0.225 -0.265 -0.234 -0.471 -0.305 -1.371 -1.355 -0.034 -0.249 -).239
]]] =0.185 =0.030 =0.03! =0.03! =0.03 =0.030 =0.030 =0.025 =0.00! =0.03! =0.030
11 -0.177 -0.105 -0.176 -0.174 -0.139 -4.14, -4.190 -0.100 -0.100 -0.193
12 -0.147 -0.143 -0.139 -0.133 -0.131 -0.134 -0.144 -0.143 -0.143 -0.139
13 -0.117 -0.109 -0.101 -0.102 -0.102 -0.095 -0.109 -0.103 -0.039 -0.097
14 -0.085 -0.071 -0.054 -0.059 -0.961 -0.943 -0.059 -0.062 -0.039 -0.045
15 -0.045 -0.032 -0.015 -0.018 -0.014 -0.021 -0.025 -0.034 -0.017 -0.010
                                                  PMS Deviation: 0.078
          Incilence:
                      7.2 Cod.
                                                    Pow 3 Fow 9
   nou l
          FOW ? FOW ? FOW 4 FOW 5 FOW 6
                                             POW 7
                                                                   POW10
 1 -0.909 -0.790 -1.005 -1.034 -1.272 -0.575 -0.970 -1.128 -1.445
 2 -1.031 -1.164 -0.908 -1.055 -1.139 -1.151 -1.275 -1.394 -1.395 -2.458
 3 -1.005 -1.058 -1.016 -1.058 -1.000 -1.213 -1.313 -0.115 -1.285
 4 -1.095 -1.061 -0.009 -1.003 -1.102 -1.119 -1.181 -1.906 -1.308 -0.753
 5 -0.903 -0.934 -0.008 -0.023 -0.998 -0.006 -0.005 -0.995 -1.184 -0.439
 6 -0.772 -0.813 -0.808
                         ---
                               -0.802 -0.825 -0.690 -0.704 -0.670 -0.377
 7 -0.626 -0.717 -0.652 -0.553 -0.508 -0.605 -0.538 -0.560 -0.384
                               -0.331 -0.397 -0.399 -0.396 -0.299 -0.328
 9 - 0.403 - 0.464 - 0.527
 9 - 0.315 - 0.333 - 0.343 - 0.574 - 0.499 - 0.355 - 0.322 - 0.311 - 0.289 - 0.302
10 - 0.265 - 0.270 - 0.265 - 0.316 - 0.332 - 0.307 - 0.279 - 0.274 - 0.255 - 0.268
11 - 0.236 - 0.221 - 0.214 - 0.233 - 0.237 - 0.239 - 0.236 - 0.222 - 0.223 - 0.233
12 - 0.208 - 0.175 - 0.173 - 0.183 - 0.184 - 0.191 - 0.186 - 0.170 - 0.185 - 0.172
13 -0.174 -0.136 -0.143 -0.140 -0.131 -0.145 -0.140 -0.124 -0.124 -0.121
14 -0.138 -0.096 -0.093 -0.092 -0.084 -0.089 -0.086 -0.076 -0.055 -0.062
15 - 0.108 - 0.059 - 0.061 - 0.059 - 0.043 - 0.065 - 0.057 - 0.047 - 0.047 - 0.024
```

```
nic neviation: 0.044
                      9.6 dem.
          Indidence:
                                PON 5 709 5 709 7
                                                    POU 3 POW 3
           POW 3 POW 3 POW 1
   ROW 1
 1 -0.950 -0.708 -0.008 -0.836 -0.001 -1.530 -1.048 -1.530 -1.377
 2 -0.959 -0.869 -0.814 -0.832 -0.315 -0.95 -1.192 -1.253 -1.433 -2.01
 3 -0.349 -0.866 -0.824 -0.835 -0.016 -0.304 -1.005 -0.015 -1.467
 4 -0.835 -0.875 -0.847 -0.823 -0.832 -0.851 -1.065 -1.295 -1.413 -1.94
 5 -0.866 -0.807 -0.834 -0.873 -0.306 -0.662 -1.056 -1.366 -1.406 -1.00
                               -0.803 -0.866 -1.021 -1.135 -1.283 -0.47
 6 -0.829 -0.955 -0.945
                         ___
 7 -0.926 -1.042 -0.945 -0.943 -0.971 -0.040 -0.035 -1.035 -1.052
                               -9.710 -0.757 -0.265 -0.231 -0.507 -0.42
 3 -0.749 -0.732 -0.700
 0 -0.557 -0.557 -0.675 -0.740 -0.750 -0.550 -0.552 -0.555
                                                           -0.305 -0.39
19 -0.571 -0.457 -0.574 -0.599 -0.597 -0.577 -0.715 -0.422 -0.332 -0.35
11 -0.466 -0.371 -0.470 -0.465 -0.495 -0.474 -0.373 -0.355 -0.359 -0.29
 12 -0.387 -0.314 -0.350 -0.361 -0.301 -0.367 -0.276 -0.247 -0.215 -0.22
 13 -0.321 -0.251 -0.274 -0.284 -0.289 -0.273 -0.213 -0.177 -0.142 -0.16
14 -0.267 -0.201 -0.223 -0.221 -0.219 -0.213 -0.152 -0.132 -0.093 -0.09
 15 -0.243 -0.175 -0.203 -0.193 -0.192 -0.193 -0.132 -0.993 -0.989 -0.95
                                                   out negistion: 0.925
           Incidence: 12.0 Pea.
                                                            row ? rowli
                                                     20W 3
           TOW 2 TOV 3 FOR 1
                                FOW 5 TOW 5 TOW 7
Tab
    PCW 1
  1 -0.752 -0.749 -0.958 -0.903 -0.700 -0.606 -1.017 -1.111 -1.507
  2 -0.745 -0.792 -0.912 -0.810 -0.774 -0.833 -0.037 -1.955 -1.452
                                                                  -2.34
  3 -0.738 -0.739 -0.935 -0.814 -0.782 -0.815 -0.035 -0.2)3 -1.405
  4 -0.724 -0.799 -0.661 -0.827 -0.792 -0.821 -0.317 -1.313 -1.421 -2.35
  5 -0.749 -0.315 -0.935 -0.670 -0.939 -0.644 -0.916 -1.939 -1.415 -1.75
                               -h.cs3 -h.csc -0.bl2 -1.bl4 -1.330 -1.05
  6 -0.757 -0.859 -0.015
                         __
  7 -0.771 -0.006 -0.047 -0.832 -0.335 -0.954 -0.007 -0.003 -1.207
                                -3.303 -3.837 -0.353 -0.312 -1.353 -0.52
 9 -0.771 -0.939 -0.800
 9 -0.741 -0.729 -0.705 -0.710 -0.704 -0.737 -0.810 -0.830 -0.907 -0.49
 10 -9.719 -6.578 -0.585 -0.792 -0.714 -0.712 -0.741 -0.754 -0.613 -0.45
 11 -0.661 -0.638 -0.551 -0.554 -0.561 -0.555 -0.659 -0.549 -0.492 -0.39
```

```
pws Deviation: 0.914
          Incidence:-12.4 ĉea.
                                                                      Row10
                  Pow 3 Row 1
                                POW 5
                                       FOW 5 FOW 7
                                                       POW 3
                                                              Pow 9
          Pow ?
   Row 1
                 -1.018 -0.950 -0.357 -0.834 -0.058 -1.085 -1.533
1 - 0.913 - 1.084
                                                                      0.746
                                                       9.593
                                        0.540
                                                0.650
                                                              0.717
                  9.531
                         0.620
                                 0.635
   0.541
           0.652
                         0.538
                                        0.583
                                                0.614
                                                       0.635
                                                               0.570
                                 0.557
                  0.541
   0.544
           0.572
                                                       0.535
                                        0.473
                                               0.524
                                                               9.555
                                                                      0.609
                         0.430
                                 9.455
   0.429
          0.450
                  0.418
                                        9.349
                                               0.379
                                                       0.397
                                                               0.423
                                                                      0.43L
   0.289
                         0.212
                                 0.235
          0.323
                  0.229
                                        0.233
                                                               0.345
                                               0.304
                                                       9.329
                                                                      0.365
           0.252
                  0.044 -0.118 0.110
   0.205
                                        0.150
                                               9.210
                                                       9.267
                                                              0.284
                                -0.220
           9.221 - 0.016
   0.139
                                                                      0.214
                                        0.002
                                               0.144
                                                       1.177
                                                               0.193
                                -0.128
   0.057
           0.178
                  9.297
                                        0.103
                                                0.094
                                                       9.107
                                                               0.127
                                                                      0.145
                         0.377
                                0.259
           0.097
                  0.211
9 -0.008
                                               0.053
                                                       9.959
                                                               0.079
                                                                      0.089
                                 0.095
                                        0.070
           0.015
                  9.957
                         0.103
10 - 0.055
                                               0.013
                                        9.914
                                                      9.028
                                                               0.036
                                                                      0.057
11 - 0.102 - 0.049 - 0.016 - 0.002
                                0.013
12 -0.126 -0.090 -0.069 -0.052 -0.056 -0.037 -0.019 -0.006
                                                               0.003
                                                                      0.043
13 -0.151 -0.135 -0.133 -0.102 -0.102 -0.003 -0.067 -0.068 -0.009
                                                                      0.023
14 - 0.298 - 0.215 - 0.204 - 0.174 - 0.100 - 0.176 - 0.133 - 0.113 - 0.041
                                                                      0.003
15 -0.227 -0.241 -0.344 -0.210 -0.199 -0.245 -0.195 -0.16: -0.993 -0.013
                                                    TYP Deviation: 0.012
          Incidence: -0.3 lad.
                                       From Company 7
                                                      2000
                                                             , 000 J
                                                                      JOM1 3
                  JOS 3 JOB .
                                 CON 5
   Fow 1
1 -1.253 -1.207 -0.030 -0.205 -0.305 -0.43 -0.003 -1.132 -1.519
                         9.392
                                0.507
                                               5.592
                                                              0.705
                                                                      0.729
                                       0.434
                                                      9.423
                  0.503
    0.545
           9.544
                                                0.573
                                                       0.533
                                         0.550
                                                               0.525
           0.543
                  7.504
                          0.400
                                 3.523
    0.534
                                                                      0.511
                                        0.143
                                                0.134
                                                       0.170
                                                               9.509
           9.435
                  9.383
                          3.373
                                 9,110
   0.413
                                                       0.350
                                                                      0.395
                                                9.337
                                                               0.375
           0.202
                  0.177
                         0.173
                                9,2:0
                                        1.301
   0.275
                                                               0.294
                                 0.339
                                                                      0.319
                                        1.220
                                                7.754
                                                       9.277
           0.333
                  9.924 - 9.127
    0.195
                                                0.000
                                                       0.007
                                                               3.243
                                                                      --
                                         1.739
                 -0.037
                                -0.21]
    9.131
           9.190
                                                       0.110
                  0.205
                                -0.707
                                        3.335
                                                               5.155
                                                                      0.175
                                                0.631
    3.953
           0.150
                                        0.100
                                                3.333
                                                       1.115
                                                                      0.120
                                                               9.195
           0.005
                  1.193
                          9.349
                                3.251
9 - 0.001
                                                0.343
                                                       0.057
                                                               0.066
                                                                      0.072
                  0.350
                                         3.37:
          0.036
                          0.005
                                 0.193
10 -0.030
                         1.033
                                 0.035
                                        0.027
                                                0.025
                                                       0.039
                                                               0.032
                                                                      0.051
                  3.034
11 -0.066 -0.014
12 -0.077 -0.043 -0.035 -0.013 -0.020 -0.013
                                               0.304
                                                       0.015
                                                               0.914
                                                                      0.051
13 -0.000 -0.073 -0.070 -0.053 -0.051 -0.046 -0.030 -0.011
                                                               0.014
                                                                      0.042
14 -0.120 -0.110 -0.103 -0.092 -0.009 -0.000 -0.063 -0.044
                                                               0.002
                                                                      0.034
15 -0.121 -0.100 -0.110 -0.100 -0.000 -0.136 -0.134 -0.005 -0.013
                                                                      0.025
                                                    are Deviation: 0.044
          Incidence: -7.5 dea.
                                                               POW 9
                                                                      row10
                                               now 7
                                                       २०४ ९
                         FOW 4
                                 FOW 5 FOW 5
   row 1
           POW ?
                  FO# 3
 1 -1.244 -1.494 -1.007 -0.068 -0.013 -0.023 -1.253 -1.420 -1.815
                                                                       --
                                                                      0.543
                                                3.544
                                                               0.673
                          0.535
                                 9.503
                                         0.411
                                                       0.538
           0.537
                  0.400
    9.644
                                                       9.558
                                                               6.545
                                                                      --
                          0.175
                                 1.499
                                         0.522
                                                ^.535
    0.501
           0.494
                  0.462
                                                               0.432
                                                                      0.433
                                         0.100
                                                       3.419
                                 1.379
           0.377
                  0.342
                          0.349
                                                0.423
   0.371
                                                       9.312
                                                                      0.305
                                                7.202
                                                               0.301
                         0.740
                                 0.224
           3.248
                  0.154
                                         0.253
    9.223
                                                       0.232
                                                               9.245
                                                                      0.252
                  0.024 -0.105 0.973
           0.387
                                        0.120
                                                0.225
    0.152
                                                       0.136
                                                               0.194
                                -7.159
                                         9.119
                                                9.171
           0.158 - 0.021
    0.100
                                                                      0.130
                                                       0.115
                                                               0.122
                                -1.023
                                         0.071
                                                0.093
           0.127
                  9.252
                           ___
    0.030
                                                               9.975
                          0.250
                                0.313
                                         1.191
                                                9.964
                                                        0.950
                                                                      0.078
                  0.142
 9 -9.396
           0.975
                                 9.029
                                         0.051
                                                0.041
                                                        9.030
                                                               9.047
                                                                      0.049
                          0.002
           0.024
                   0.053
  -0.030
10
                                                               0.320
                                                0.321
                                                                      0.032
                                                        3.935
                          0.003
                                 0.033
                                         0.000
                  0.009
11 -0.052 -0.010
                                                        1.015
                                                               3.31/
                                                                       0.033
                                 1.110
                                        J. 139
                                                (0.03.3)
12 -0.054 -0.018 -0.013 -0.004
13 -0.051 -0.037 -0.030 -0.020 -0.017 -0.000 -0.003
                                                        0.007
                                                               0.002
                                                                       0.03§
                                                                      0.027
14 -0.067 -0.051 -0.044 -0.035 -0.033 -0.030 -0.011 -0.003
                                                               9.317
                                                               0.005
                                                                       0.029
15 -0.051 -0.033 -0.027 -0.020 -0.003 -0.033 -0.025 -0.008
```

```
Indiâgros: -5.0 des.
                                                     P"S Deviation: 0.032
    POW 1
           row ?
                  POW 3 ROW 1
                                  PC'4 5
                                        101 5 101 7
                                                       FON 3
                                                              POW 3
                                                                      Povl() i
    -0.929 -1.497 -1.466 -1.804 -1.362 -1.332 -1.584 -1.555
                                                              -2.187
     0.599
            0.501
                   9.594
                           6.554
                                         0.531
                                 0.555
                                                9.571
                                                        0.568
                                                               9.585
                                                                      9.555
     0.420
            0.455
                   9.434
                          0.446
                                         0.445
                                  9.049
                                                0.455
                                                        2,652
     0.203
            0.33=
                   0.308
                          0.315
                                  0.323
                                         1.222
                                                0,333
                                                        1.351
                                                               ^.335
            0.204
                                         1,112
                                                6.330
     0.153
                   0.152
                          0.1=1
                                 9.190
                                                        0.336
                                                               0.213
                                                                      3.225
                   7,754 -7,711
                                         0,100
     0.100
            0.741
                                 0.975
                                                0.146
                                                        7.152
                                                               0.153
                                                                      9.179
                                 -0.155
                                         0,001
     0.061
            9.111
                   1.064
                                                3.115
                                                       0.325
                                                               1.123
            0.062
     0.005
                   3.103
                                        0.045
                                  0.059
                                                0.954
                                                       1.055
                                                              7.962
                                                                      0.071
  9 - 0.035
            0.011 -0.038 -0.039 0.073
                                        7.137
                                                ા વાર્ષ
                                                       0.720
                                                               0.021
                                                                      0.037
 19 -0.937 -0.999 -0.903
                         0.328
                                 ი_იլფ
                                        9,003
                                                0.017
                                                       0.011
                                                               2.205
                                                                      0.018
 11 - 0.050 - 0.031 - 0.021
                                                       0.00= -0.010
                          0.903 - 0.992 - 0.907
                                                9.994
                                                                      9.005
 12 - 0.042 - 0.028 - 0.026 - 0.009 - 0.019 - 0.011
                                                0.906
                                                       0.303 -0.011
                                                                      0.016
 13 -0.037 -0.031 -0.025 -0.010 -0.017 -0.011 -0.000 -0.003
                                                               0.009
                                                                      0.013
 14 -0.043 -0.034 -0.016 -0.008 -0.018 -0.005
                                                0.003 - 0.005
                                                               0.015
                                                                      0.021
 15 -0.019 -0.002 0.007 0.018 0.028 -0.000
                                                0.003
                                                      0.002
                                                               0.010
                                                                      0.030
           Incidence: -2.5 dea.
                                                    RMS Deviation: 0.040
    Row 1
                   ROW 3 PCW 4
            Row 2
                                 Fow 5
                                        Pow 5
                                                ROW 7
                                                       Pow 8
                                                              POW 9
                                                                      Fowl0
  1 - 0.448 - 0.976 - 0.339 - 0.966 - 0.799 - 1.336 - 1.590 - 1.210 - 0.565
     0.455
            0.452
                   0.407
                          0.392
                                0.387
                                        0.346
                                                0.419
                                                      0.425
                                                              0.381
                                                                      0.379
     0.248
           0.259
                   0.253
                          0.264
                                 0.260
                                         0.230
                                                0.297
                                                       0.285
                                                               9.260
    0.143
            0.178
                   0.159
                          0.161
                                 0.190
                                        0.135
                                                0.193
                                                       0.205
                                                              0.217
                                                                      0.183
    0.061
            0.092
                   0.050
                         0.037
                                 0.075
                                        0.073
                                                0.093
                                                       0.098
                                                               0.100
                                                                      0.122
     0.025
            0.050 -0.008 -0.082 -0.005
                                        0.041
                                                0.051
                                                       0.055
                                                               0.069
                                                                      0.061
  7 - 0.007
           0.028
                   0.030
                                 -0.108
                                        0.013
                                               0.932
                                                       0.028
                                                              0.036
  8 -0.039 -0.009
                   9.128
                                 0.066 - 0.000 - 0.012 - 0.009
                                                                      0.000 $
                                                              0.001
 9 -0.066 -0.046 -0.121 -0.309 -0.075 -0.020 -0.029 -0.025 -0.019 -0.022
10 -0.071 -0.061 -0.045 -0.053 -0.053 -0.039 -0.043 -0.046 -0.022 -0.038
11 - 0.073 - 0.060 - 0.047 - 0.042 - 0.042 - 0.041 - 0.041 - 0.031 - 0.032 - 0.042
12 -0.058 -0.037 -0.041 -0.038 -0.037 -0.031 -0.027 -0.016 -0.027 -0.020
13 - 0.042 - 0.033 - 0.031 - 0.022 - 0.026 - 0.021 - 0.018 - 0.015 - 0.006 - 0.004 
14 -0.027 -0.021 -0.005 -0.001 -0.011 -0.002 0.002 -0.004 0.013 0.014
 15 -0.005 0.015 0.021 0.024
                                0.038 0.008 0.007 0.003 0.013
                                                                      0.021
           Incidence: -0.? leq.
                                                    FYS Deviation: 0.933
Tan
    Pow 1
           row? row 3 row 4
                                 POV 5
                                                "Ow 7
                                        now is
                                                       BOM 3
                                                              Poul 9 Poul 0
            0.636
                                        0.501
                   0.582 0.643
                                 0.571
                                                9.555
                                                       9.514
                                                              0.632
            0.053
                   0.905 -0.027 -0.055 -0.032 -0.018
    0.096
                                                       0.075
                                                              9.133
                                                                      0.032
                                        0.331
            0.013 - 0.013
    0.024
                          0.052
                                 0.319
                                               0.053
                                                       0.030
                                                              0.064
   -0.013
            0.010 - 0.033
                          0.919
                                 0.005 -0.325 -0.300
                                                       0.003
                                                              0.013
                                                                      0.0218
 5 -0.050 -0.040 -0.070 -0.001 -0.067 -0.055 -0.048 -0.048 -0.015 -0.016
 5 -0.970 -0.941 -0.086 -0.169 -0.109 -0.975 -0.070 -0.059 -0.052 -0.035@
 7 -0.076 -0.041 -0.001
                           --
                                -7.155 -0.076 -0.074 -0.066 -0.076
   -0.090 -0.068 0.053
                          ---
                                 0.046 -0.075 -0.095 -0.085 -0.086 -0.056
 9 -0.093 -0.105 -0.234 -0.514 -0 202 -0.004 -0.000 -0.002 -0.003 -0.073
10 -0.039 -0.102 -0.103 -0.120 -0.113 -0.105 -0.094 -0.007 -0.091 -0.082
11 -0.035 -0.084 -0.086 -0.081 -0.077 -0.035 -0.086 -0.071 -0.089 -0.074
12 -0.064 -0.059 -0.063 -0.064 -0.070 -0.061 -0.053 -0.057 -0.071 -0.045
13 - 0.937 - 0.042 - 0.037 - 0.037 - 0.044 - 0.036 - 0.045 - 0.044 - 0.029 - 0.024
14 -0.023 -0.019 -0.009 -6.011 -0.017 -0.011 -0.019 -0.023 -0.006
                                                                      0.00億
    0.007 0.022 0.031 0.019 0.038 0.004 -0.003 -0.005 -0.004
```

```
Incidence:
                                                  TY3 Deviation: 0.045
                      2.3 fog.
                POW 3
                        TOW $
                                Ron 5 For 5
                                             - 30: 7
                                                    (5)
                                                            20% 3
                                                                   20013
   Pou 1
          nov 0
                                             0.552
                                                      3.3:4
                                       0.459
          0.322 -0.107
                         0.153
                                0.016
                                                            3.377
 2 -0.470 +0.309 -0.473 -0.571 -0.353 -0.57 -0.590 -0.555 -0.133 -0.219
 3 -0.327 -0.367 -0.368 -0.328 -0.333 -0.331 -0.392 -0.323 -0.243
 4 -0.244 -0.220 -0.242 -0.232 -0.323 -0.350 -0.220 -0.218 -0.132 -0.152
 5 -0.201 -0.100 -0.191 -0.221 -0.202 -0.104 -0.201 -0.100 -0.165 -0.136
  -0.179 -0.154 -0.155 -0.232 -0.200 -0.131 -0.132 -0.335 -0.145 -0.109
                               -0.215 -0.157 -0.155 -0.131 -0.159
  -0.166 - 0.135 - 0.041
                               -).13} -0.130 -0.15: -0.17: -0.15: -0.139
 5 -0.147 -0.105 -0.028
9 -0.142 -0.101 -0.414 -0.440 -0.303 -0.17: -0.102 -0.30
                                                           -6.13. -0.140
10 -0.123 -0.166 -0.197 -0.331 -0.366 -0.157 -0.160 -0.160 -0.140
11 -0.115 -0.125 -0.129 -0.134 -0.110 -0.135 -0.127 -1.111 -0.125 -0.117
13 -0.090 -0.047 -7.092 -0.397 -0.393 -7.335 -0.334 -0.375 -0.383
13 -0.959 -0.960 -0.964 -0.961 -0.967 -0.965 -0.966 -0.950 -0.951 -0.053
14 -0.035 -0.032 -0.023 -0.025 -0.078 -0.030 -0.027 -0.030 -0.010 -0.014
    0.004 0.005 0.005 0.009 0.005 -6.000 -0.000 -0.000 -0.000
                                                                   7.009
                                                   *** Sevietion: 0.193
          Incliance: 4.7 a..
          POV 2 TOV 3 TO: 1 DOWN TO 1 TOWN T
                                                                   F0:10.
                                                     500 5
                                                            ें देव ी
 1 -0.569 -0.002 -0.992 -1.307 -1.305 -0.317 -0.325 -1.545 -1.521
 2 -1.139 -1.156 -1.204 -1.737 -1.236 -1.346 -1.115 -0.373 -0.324 -0.562
 3 -0.373 -0.970 -1.123 -1.050 -1.055 -1.150 -0.531 -1.653 -4.512
 4 -0.395 -0.608 -0.874 -0.373 -0.375 -7.381 -0.480 -0.495 -0.423 -7.321
 5 -0.383 -0.343 -0.307 -0.361 -0.384 -0.384 -0.389 -0.889 -0.386 -0.260
 5 -0.299 -0.262 -).205 -0.307 -0.319 -).313 -0.329 -0.324 -4.205 -J.220
                               -0.252 - 0.253 - 0.232 - 0.237 - 0.257
  -0.252 - 0.222 - 0.002
                         --
                               -0.004 -0.205 -0.250 -0.241 -0.223 -0.214
 3 -0.220 -0.214 -0.137
                         --
 9 -0.205 -0.279 -0.547 -1.003 -0.589 -0.249 -0.227 -0.215 -0.206 -0.211
10 - 0.179 - 0.228 - 0.277 - 0.402 - 0.2)8 - 0.245 - 0.211 - 0.195 - 0.177 - 0.194
11 -0.162 -0.176 -0.161 -0.102 -0.174 -0.177 -0.177 -0.157 -0.153 -0.167
12 - 9.133 - 0.122 - 0.115 - 0.123 - 0.124 + 0.121 - 0.131 - 0.115 - 0.122 - 0.115
13 -0.095 -0.097 -0.097 -0.073 -0.030 -0.087 -0.083 -0.092 -0.073 -0.071
14 -0.063 -0.053 -0.046 -0.039 -0.012 -0.042 -0.039 -0.043 -6.030 -0.024
15 -0.026 -0.003 -0.008 -0.005 0.011 -0.011 -0.011 -0.010 -0.007
                                                                   0.004
                                                  PYS Proviation: 0.967
          Incidence:
          ROU 2 POW 3 FOW 4 YOU 5 YOU 6 POW 7
                                                    DOM 3 DOM 3
                                                                   Powla
 1 -0.839 -0.652 -0.040 -1.007 -1.171 -0.665 -1.044 -1.002 -1.208
 2 -0.333 -1.395 -0.325 -1.850 -1.333 -1.305 -1.510 -1.317 -1.316 -1.591
 3 -0.944 -1.030 -0.027 -1.047 -1.034 -1.030 -1.400 -1.003 -1.324
 4 -0.938 -0.957 -0.915 -1.906 -1.904 -1.264 -1.185 -1.948 -1.301 -0.554
 5 -0.832 -0.789 -0.888 -0.882 -0.300 -0.304 -0.822 -0.884 -0.851 -0.423
 5 -0.624 -0.571 -0.519 -0.663 -0.634 -0.553 -0.597 -0.623 -0.459 -0.34%
                               -0.498 -0.455 -0.470 -0.435 -0.319
 7 -0.529 -0.544 -0.496
                        --
                               -0.229 -0.204 -0.332 -0.337 -0.298 -0.262
 9 -0.353 -0.365 -0.563
                         __
 9 -0.293 -0.353 -0.837 -1.042 -0.731 -0.330 -0.270 -0.200 -0.275 -0.25€
10 -0.220 -0.285 -0.348 -0.454 -0.337 -0.323 -0.245 -0.245 -0.210 -0.232
11 -0.216 -0.222 -0.222 -0.237 -0.260 -).250 -0.216 -0.209 -0.295 -0.200
12 -0.136 -0.160 -0.167 -0.160 -0.187 -0.180 -0.160 -0.155 -0.166 -0.146
13 -0.149 -0.122 -0.126 -0.120 -0.121 -0.131 -0.121 -0.105 -0.103 -0.099
14 - 0.117 - 0.083 - 0.078 - 0.073 - 0.072 - 0.075 - 0.072 - 0.051 - 0.049 - 0.047
15 - 0.086 - 0.043 - 0.045 - 0.045 - 0.023 - 0.047 - 0.040 - 0.031 - 0.028 - 0.010
```

```
PVS Deviation: 0.055
                       9.5 Sea.
           Incidence:
                                 PO4 5 PAY 6 500 7
                                                      not 0
                                                              F 09/3
           Tow 2 Roy 3
                         row :
    now 1
 1 -0.035 -0.047 -0.041 -0.735 -0.325 -0.613 -1.000 -1.452 -1.376
 2 -0.837 -1.028 -0.863 -0.810 -0.228 -1.23 -1.235 -1.136 -1.323 -1.383
 3 -0.883 -0.999 -0.882 -0.010 -0.017 -0.013 -0.032 -0.054 -1.537
                                                         100 -1.500
 4 -0.393 -0.330 -0.335 -0.034 -0.730 -0.335 -3.
                                                                    -1,259
   -0.07: -1.017 -0.050 -0.087 -0.331 -0.574 -0.035 -1.120 -1.470 -0.756
 5 -0.845 -1.065 -1.029 -0.053 -0.070 -0.000 -0.051 -1.100 -1.231 -0.434
                                -9.100 -9.167 -0.001 -1.004 -0.015
 7 -0.823 -1.365 -0.363
                                -7.741 -1.701 -0.701 -C. 11
                                                             -1.404
   -0.752 - 0.556 - 0.007
 10 -0.534 -0.357 -0.522 -0.572 -0.413 -1.498 -0.451 -1.
11 -0.420 -0.362 -0.130 -0.401 -0.500 -0.104 -0.303 - 1.300 -0.235 -0.274
12 -0.330 -0.301 -0.359 -0.351 -0.301 -0.351 -0.313 -0.230 -0.190 -0.202
13 - 0.274 - 0.257 - 0.270 - 0.310 - 0.394 - 0.242 - 0.255 - 0.14 - 0.126 - 0.147
14 - 0.225 - 0.216 - 0.213 - 0.245 - 0.232 - 0.292 - 0.187 - 0.121 - 0.075 - 0.077
15 -0.192 -0.170 -0.196 -0.211 -0.195 -0.166 -0.152 -0.009 -0.049 -0.039
                                                    tur deviation: 0.138
           Indidence: 12.0 fel.
                                                                      Powl0
                                 Fow 5 Fan 6
                                                104 3 20M 3
                                                              30a 3
           Fow ? Fow 3 Fow 1
Tar
     ROW 1
 1 -0.832 -0.839 -0.911 -0.739 -0.747 -0.593 -1.002 -1.371 -1.697
 2 -0.796 -1.023 -0.900 -0.709 -0.755 -0.303 -0.934 -1.043 -1.459 -2.294
  3 -0.774 -0.034 -0.901 -0.905 -0.750 -0.791 -0.943 -1.051 -1.450
  4 - 0.941 - 0.018 - 0.021 - 0.033 - 0.704 - 9.017 - 0.025 - 1.073 - 1.473 - 2.220
  5 -0.831 -0.952 -0.957 -0.911 -0.355 -0.320 -0.895 -1.951 -1.494 -1.404
  6 -0.833 -1.035 -0.053 -0.970 -0.020 -0.035 -0.070 -1.022 -1.339 -0.503
7 -0.060 -1.075 -0.005 -- -2.070 -0.059 -0.670 -0.003 -1.259 -- 5
                                 -j.ozo -j.ckg -0.879 -0.003 -1.250
  7 -0.269 -1.975 -0.903
                                 -9.007 -9.070 -0.841 -0.033 -1.017 -0.49<u>1</u>
  3 -0.832 -0.762 -0.836
                          --
  9 -0.702 -0.666 -0.631 -0.611 -0.670 -1.605 -0.761 -0.827 -0.718 -0.446
 10 -0.715 -0.500 -0.604 -0.606 -0.549 -0.544 -0.573 -0.500 -0.528 -0.398
 11 -0.615 -0.557 -0.604 -0.604 -0.506 -0.525 -0.566 -0.555 -0.350 -0.339
 12 - 0.474 - 0.506 - 0.562 - 0.528 - 0.561 - 0.560 - 0.488 - 0.452 - 0.309 - 0.257
 13 - 0.432 - 0.449 - 0.459 - 0.171 - 0.494 - 0.490 - 0.429 - 0.371 - 0.209 - 0.183
 14 - 0.357 - 0.401 - 0.415 - 0.404 - 0.418 - 0.407 - 0.345 - 0.292 - 0.149 - 0.107
 15 -0.366 -0.374 -0.380 -0.382 -0.388 -0.380 -0.304 -0.254 -0.115 -0.065
```

```
PMS Deviation: 0.007
            Incidence:-12.4 dec.
                                                            POW 3
                                                                   DOM 3
                                                                           Pow19
             Pow 2
                     ROW 3
                             PCW 4
                                    Flow 5
                                            FOW 6
                                                    ROW 7
Tap
    Row 1
                     0.898 -1.007 -0.912 -0.805 -0.901 -1.057 -1.447
                                                                            _-
            -1.950
    -1.551
                                                            0.596
                                                                   0.720
                                                                           3.752
                                    0.577
                                            0.523
                                                    0.570
     0.655
             0.532
                     0.510
                             0.524
  2
                                    0.169
                                            0.549
                                                    0.599
                                                            0.628
                                                                   0.658
     0.609
             0.613
                     0.459
                            0.376
                                                                           0.569
                             0.096
                                    0.307
                                            0.436
                                                    0.499
                                                            0.529
                                                                   0.556
             0.503
                     0.252
     0.492
                                            0.235
                                                    0.372
                                                            0.396
                                                                    0.419
                                                                           0.430
                           -0.991 - 0.145
  5
     0.347
             0.387
                     0.043
                                            0.178
                                                    0.290
                                                            0.314
                                                                   0.336
                                                                           0.364
                                   -0.297
  6
     0.255
             0.331
                     0.115
                                            0.132
                                                    0.233
                                                            0.259
                                                                    0.231
                                   -0.284
                     0.156
  7
     0.138
             0.298
                                                    0.119
                                                            0.180
                                                                    0.197
                                                                           0.210
                             0.457 - 0.065
                                            0.130
     0.096
                     0.354
  8
             0.244
                                            0.155
                                                    0.112
                                                            0.118
                                                                    0.129
                                                                           0.143
                                    0.319
  9
                     0.282
                            0.453
     0.031
             0.150
                                                    0.071
                                                            0.070
                                                                   0.085
                                                                           0.094
                                            0.112
                            0.140
                                    0.144
 10 -0.019
             0.062
                     0.110
                                                                           0.059
                                                                    0.049
                                            0.052
                                                    0.032
                                                            0.045
                                    0.055
 11 -0.067 -0.002
                     0.023
                             0.036
                                                                    0.020
                                                                           0.049
    -0.088 - 0.039 - 0.027 - 0.020 - 0.015 - 0.003 - 0.001
                                                            0.015
 13 -0.104 -0.084 -0.080 -0.070 -0.054 -0.059 -0.048 -0.025
                                                                    0.011
                                                                           0.032
                                                                            0.013
 14 -0.143 -0.144 -0.137 -0.138 -0.139 -0.124 -0.111 -0.086 -0.016
 15 -0.147 -0.161 -0.173 -0.166 -0.145 -0.190 -0.163 -0.134 -0.054
                                                                           0.002
                                                         PMS Deviation: 0.019
            Incidence: -9.9 deg.
                                                            POW B
                                                                    BOM B
                                     Row 5
                                                    Pow 7
                                                                            Rowld
                     Pow 3
                                           RC3 5
Tap
     Pow 1
             Row 2
                            POW 1
                     0.913 - 0.828 - 0.799 - 0.735 - 0.929 - 1.097 - 1.503
    -1.487 - 2.341
                                                            0.580
                                                                            0.717
                                                    0.657
                                                                    0.702
                             0.494
                                     0.554
                                            0.508
     0.673
             0.583
                     0.595
                                                                    0.514
                                                    0.554
                                                            0.590
                                                                             ___
                                            0.510
     0.582
             0.599
                     0.434
                             0.343
                                     0.441
                                                                            0.305
                             0.082
                                                            0.492
                                                                    0.503
     0.454
                                            0.403
                                                    0.460
             0.463
                     0.233
                                    0.281
                                                                            0.355
                                            0.050
                                                    3.32%
                                                            0.330
                                                                    0.353
                     0.077 -0.938 -0.119
     0.300
             0.345
  5
                                                    0.251
                                                            0.273
                                                                    0.291
                                                                            0.307
                                    -0.241
     0.223
             0.293
                     0.124
                                            0.155
                                                            0.223
                                                                    0.337
             0.250
                     0.153
                              ___
                                    -0.230
                                            0.113
                                                    0.100
     0.163
  7
                                                                            0.133
                             0.553 - 0.933
                                            0.117
                                                    9.122
                                                            0.113
                                                                    0.153
                     0.333
     0.032
             0.211
                                                            0.004
                                                    0.007
                                                                    0.105
                                                                            J.113
                     0.242
                             0.330
                                    0.293
                                             0.113
     9.327
             0.130
  Ģ
                                                    9.053
                                                            9.050
                                                                    9.371
                                                                            0.073
                             0.133
                                    0.139
                                            0.101
 10 -0.005
             0.057
                     0.100
                                            9.951
                                                    0.012
                                                            0.045
                                                                    0.341
                                                                            3.052
                     0.035
                                     0.05%
                             0.053
    -0.041
             0.009
                                                    9.021
                                                            0.921
                                                                    0.023
                                                                            0.049
 12 -0.051 -0.019 -0.008
                                            0.915
                             0.008
                                     0.002
                                                                            3.039
 13 -0.082 -0.013 -0.042 -0.020 -0.025 -0.023 -0.012
                                                            0.005
                                                                    0.025
 14 -0.085 -0.083 -0.075 -0.060 -0.075 -0.055 -0.047 -0.031
                                                                            0.029
                                                                    0.014
                                                                            0.024
 15 -0.032 -0.081 -0.082 -0.083 -0.036 -0.008 -0.031 -0.051 -0.005
                                                         rus paviation: 0.010
            Indidence: -7.5 Jeg.
                                                            20% 3
                                                                            SOM Fig
                                            TON 5
                                                                    D38 3
Tab
     non 1
            Pow 2
                     70W 3
                            POW 1
                                     Pow 5
                                                    FOJ 7
                     1.120 -0.313 -0.301 -0.316 -1.308 -1.500 -1.343
    -1.193 -1.935
                                                                            1.536
                                                                    9.545
             0.573
                     9,599
                             0.459
                                     0 = 35
                                             0.534
                                                    0.538
                                                            9.651
      0.557
             0.537
                     0.411
                             0.310
                                     9.105
                                             0.131
                                                    0.525
                                                            0.551
                                                                    0.545
      0.521
  3
                                                                            0.41.2
                                             9.350
                                                    0.414
                                                            0.434
                                                                    0.429
      0.383
                     0.220
                                     0.251
   4
             0.413
                             0.067
                                                                            ŋ. 29£
                                                            0.299
                                                                    0.300
             0.293
                                                    0.282
                     0.106 -0.759 -0.109
                                             0.314
     0.252
                                                            0.225
                                                                    0.234
                                                                            0.245
      0.175
                                    -0.179
                                             2.129
                                                    0.210
             0.237
                     0.123
                              --
                                                            0.101
                                                                    9.137
                                    -7.149
                                             3.097
                                                    0.154
                                                                            0.134
             0.207
                     0.138
                              __
  7
      0.122
                                                            0.117
                                                                    0.123
      0.059
                                             0.103
                                                    0.094
             0.155
                     0.292
                             0.553
                                    0.003
                                                                            0.032
                                             0.122
                                                    0.075
                                                            0.953
                                                                    0.070
             0.093
                     0.190
                             0.315
                                     0.255
  G
      0.917
                                                            0.010
                                                                    0.044
                                                                            0.051
                             0.100
                                     0.104
                                             0.934
                                                    0.055
 10 -0.008
                     0.080
              0.042
                                                                            0.032
             0.009
                                                            9.337
                                                                    3.033
                                                    0.937
                     0.037
                             0.040
                                     0.053
                                             0.053
 11
    -0.031
                                                                            0.038
                                                     0.027
                                                            0.023
                                                                    0:021-
                             0.017
                                     0.014
                                             0.030
 12
    -0.033 - 0.092
                     0.012
                                                                            6.03\frac{7}{3}
                                                            9.317
                                                                    0.032
                             0.00?
                                             0.011
                                                     0.013
 13 -0.031 -0.019 -0.005
                                     0.000
                                                                            0.035
                                                                    0.033
                                                    0.005
                                                            0.004
 14 -0.044 -0.034 -0.019 -0.013 -0.020 -0.005
                                                                            0.033
 15 -0.035 -0.017 -0.011 -0.007
                                                            0.000
                                                                     1.013
                                     0.009 - 0.017 - 0.003
```

```
P"? Peviation: 0.013
           Incidence: -5.0 dag.
                   PO9 3
                                                From 7
                                                        50 % C
            DCA J
                          FC 7 1
                                  POU 5
                                         T7: 5
                                                               FO7 )
                                                                      PO910
Tab
    Pow 1
                   1.047 -1.398 -1.328 -1.236 -1.722 -1.611
                                                              -7. 33
  1 -1.520 -1.201
                                         9.596
                                                3.575
                                                                      0.535
     9.514
            0.593
                   0.535
                          0.477
                                  9.515
                                                        9.753
                                                               3.573
                                         1.427
                                                1. 150
            3.433
                   0.353
                          0.321
                                  7.377
                                                       9.143
                                                               0.443
                                                                       --
                                         9,219
                   0.123
                          0.116
                                  0.233
                                                1.341
                                                        0,334
                                                               0.335
                                                                      0.298
     0.305
            9.319
                                                9.315
                                                       0.215
                   0.003 -0.431 -0.041
                                         0.174
                                                               0.213
                                                                      0.195
     0.135
            9.207
                                                        9.154
                                         3,105
                                                3,159
                                                               2.157
            0.155
                                 -0.015
     0.117
                   0.100
                                                                      9.15%
                                         3.333
                                                0,117
                                                        1,110
                                                               2.110
     0.374
            0.135
                   0.132
                           _ _
                                 -0.313
                                         9.955
                                                3.953
                                                        0.073
                                                               0.353
                   2.231
                          9.533
                                0.957
                                                                      0.964
            0.097
  3
     0.034
                                         2,053
                                                9.935
                                                        0.337
                                                               0.024
                                                                      0.923
            0.047
                          0.131
                                  0.135
   -0.011
                   0.945
                                         3.320
                                                        1.712
                                                                      0.005
                                  0.047
                                                0.017
                                                               0.000
 10 - 0.923
            0.011
                   0.925
                          0.045
                                                5.00=
                                         1.312
                                                        0.917 -0.993 -0.995
 11 - 0.043 - 0.006
                   0.003
                          0.014
                                  0.025
                                         0.903
                                                0.007
                                                        9.014 - 0.005
                                                                      0.003
 12 - 0.035 - 0.007 - 0.004 - 0.001
                                  0.001
                                                        0.013
                                                               0.014
                                         0.003
                                                0.00%
                                                                      0.018
   -0.027 - 0.004 - 0.010
                          0.002
                                  0.009
                                                0.014
                                                        0.011
                                                               0.025
                                                                      0.027
                          0.009
                                  0.004
                                         0.010
 14 -0.022 -0.009
                   0.001
                                                        0.915
                                                               9.018
                                                                      0.033
                                  9.045
                                         0.013
                                                0.017
     0.005
            0.017
                   0.023
                          0.030
           Incidence: -2.6 dea.
                                                     P'S Devintion: 0.015
                   Pow 3 Pow 4
                                 Row 5
                                        50w 5
                                                Fow 7' Fow 3
                                                              ଅପ୍ୟ 🤧
                                                                      Fowl0
     Pow 1
           Pow 2
                   1.137 -0.207 -0.377 -1.096 -0.593 -0.714 -0.247
    -0.376 -0.529
                   0.339
                          0.257
                                 0.320
                                        9.325
                                                0.355
                                                       0.371
                                                               0.340
     0.429
            0.411
                   0.171
     0.251
            0.243
                          0.150
                                  0.510
                                         0.754
                                                3.253
                                                        0.255
                                                               0.241
                                                                      0.157
                   0.073
                          0.005
                                  0.110
                                         9.151
                                                 2.173
                                                        0.123
                                                               0.157
     0.155
            0.179
                                                        0.103
                   0.033 -0.305 -0.037
                                         3.067
                                                0.000
                                                                      0.693
            9.099
                                                               0.330
     0.059
                                                4.330
                                                        0.011
                                         0.010
                                                               9.123
                                                                      0.052
            0.041
                   0.363
                                 -0.011
     0.029
                                         2,222
                                                3,312
                                                       0.017
   -0.003
            0.005
                   0.056
                                 -0.003
                                                               3,303
  7
                          0.227
                                         0.000 -0.000 -0.000 -0.015 -0.003
                   0.150
                                0.350
   -0.031
            0.007
   -0.051 -0.330 -0.163 -3.501 -0.332 -3.306 -0.032 -0.312 ÷0.341 -9.028
 10 -0.059 -0.049 -0.030 -9.017 -0.035 -9.035 -0.045 -0.053 -0.045 -0.045
 11 -0.064 -0.040 -0.036 -0.027 -0.031 -0.033 -0.045 -0.035 -0.050 -0.043
   -0.046 -0.035 -0.033 -0.007 -0.037 -0.035 -0.007 -0.007 -0.017 -0.018
 13 -0.034 -0.005 -0.007 -0.00: -0.000 -0.000 -0.000 -0.005 -0.003
 14 -0.021 -6.015 -0.005 0.606 -0.005 -0.000 0.000 -0.010 0.000
                                                                      0.019
                   0.007
                          0.033 0.048
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                                                0.007 0.003
                                                              0.007
     0.010
           ი_ღაი
                                                                      0.0234
                                                     rus Davistion: 0.011
           Incidence: -0.2 dea.
                                  Pos 5
                                         Tow 5
                                                Pov 7
                                                               F NO
     Pow 1
            Fow ? Fow 3 Fow 1
                                                       £ 0.4 €
                                                                      F0%10
Tan
     0.635
            0.690
                   1.144
                          0.649 0.575 0.361
                                                0.583
                                                        9.459
                                                               0.531
            0.055 -0.001 -3.136 -0.095 -3.075 -0.339
                                                        0.313
                                                               9.023
  3 -0.005 -0.007 -0.053 -0.030 -0.011 -0.007 -0.003
                                                       0.003
                                                               0.003
  4 -0.029 -0.001 -0.056 -0.133 -0.062 -0.013 -0.013 -0.015 -0.003
                                                                      0.002
   -0.055 -0.027 -0.015 -0.392 -0.170 -0.059 -0.060 -0.059 -0.041 -0.030
  6 -0.053 -0.036
                  0.017
                                 -0.042 -0.076 -0.072 -0.050 -0.063 -0.042
  7 -0.074 -0.039 0.023
                           __
                                 -0.023 -0.055 -0.077 -0.074 -0.074
                   0.068 0.757 0.025 -0.039 -0.039 -0.035 -0.085 -0.053
  3 - 0.081 - 0.056
  9 -0.084 -0.089 -0.226 -0.859 -0.185 -0.086 -0.080 -0.083 -0.033 -0.030
 10 -0.081 -0.093 -0.095 -0.113 -0.113 -0.100 -0.085 -0.335 -0.093 -3.082
 11 -0.075 -0.075 -0.068 -0.070 -0.075 -0.072 -0.028 -0.067 -0.031 -0.073
 12 -0.057 -0.051 -0.052 -0.056 -0.045 -0.055 -0.056 -0.051 ~0.067 -0.042
 13 -0.031 -0.031 -0.033 -0.030 -0.035.-0.035 -0.037 -0.034 -0.028 -0.017
 14 -0.005 -0.011 -0.004 0.001 -0.012 -0.010 -0.006:-0.017 -0.005
                                                                      0.014
     0.019 0.029 0.025 0.029 0.043 0.005 0.005 0.000 -0.00?
                                                                      0.028
```

```
Uncidence: 9.3 Pea.
                                                                                the projection: 0.017
                FOU ?
    Fow 1
                                                               70.
                                                                          7000
                                       0.147 9.379 3.493 1.394
      0.211 0.200
                             1.131
                                                                                   0.272
                                                                                              0.190
 2 -0.450 -0.413 -0.407 -0.400 -0.607 -0.503 -0.501 -0.410 -0.509 -0.261
  3 -0.319 -0.293 -0.398 -0.338 -0.311 -0.233 -0.310 -0.357 -0.357
  4 -0.334 -0.133 -0.393 -0.355 -0.333 -1.331 -1.333 -0.331 -1.363 -0.363 -0.355
 5 -0.197 -0.139 -0.373 -0.360 -0.230 -0.100 -0.000 -0.06 -0.17 -0.189
                                                 -0.008 -0.165 -0.170 -0.170 -0.170 -0.370
  5 -0.169 -0.135 -0.057
 7 -0.151 -0.121 -0.070 -- -0.077 -0.100 -0.170 -0.170 -1.100 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.300 -1.3
 9 -0.136 -0.200 -0.600 -0.601 -0.514 -0.773 -0.174 -0.377 -0.356 -0.359
10 -0.120 -0.146 -0.211 -0.220 -0.211 -2.172 -0.171 -0.177 -0.172 -0.173
11 -0.112 -0.129 -0.119 -0.117 -0.113 -0.129 -0.133 -0.117 -0.125 -0.123
12 -0.025 -0.039 -0.005 -0.070 -0.000 -0.000 -0.000 -0.000 -0.000 -0.103 -0.001
13 -0.054 -0.057 -0.056 -0.046 -0.010 -0.056 -0.067 -0.050 -0.051 -0.049
14 -0.028 -0.031 -0.010 -0.012 -0.021 -0.015 -0.021 -0.035 -0.03. -0.010 -0.009
      0.012 0.012 0.010 0.023 0.034 0.08 -0.001 -0.616 -0.005
                                                                                                           9.017
                Incidence: 4.7 des.
                                                                                THE Tevistion: 0.019
                Pow 2 For 3 Row 4 Fow 5 For 5 You 7
                                                                                   FOW 3
                                                                                               D 76 0
 1 - 0.714 - 0.470
                           1.005 -1.140 -0.014 -0.707 -1.300 -2.075 -1.040
 2 -1.165 -1.205 -1.125 -1.517 -1.159 -1.239 -1.239 -1.605 -0.399 -0.639
  3 -0.978 -0.684 -0.787 -0.798 -0.971 -1.143 -0.737 -0.550 -0.500
  4 -0.640 -0.391 -0.363 -0.376 -0.548 -0.555 -0.493 -0.773 -0.433 -0.347
 5 - 0.319 - 0.270 - 0.166 - 0.377 - 0.307 - 0.304 - 0.368 - 0.362 - 0.335 - 0.273
 6 - 0.262 - 0.227 - 0.145
                                                 -0.131 -0.255 -0.307 -0.304 -0.289 -0.227
                                       --
 7 - 0.231 - 0.204 - 0.154
                                         --
                                                 -0.147 - 0.205 - 0.264 - 0.271 - 0.261
 8 -0.202 -0.243 -0.214 (.795 -0.189 -0.201 -0.239 -0.231 -0.223 -0.211
 9 -0.188 -0.309 -0.603 -0.950 -1.071 -0.285 -0.213 -0.211 -0.213 -0.197
10 -0.165 -0.253 -0.382 -0.508 -0.370 -0.287 -0.203 -0.191 -0.184 -0.179
11 -0.147 -0.175 -0.183 -0.196 -0.183 -0.194 -0.171 -0.147 -0.155 -0.153
12 -0.120 -0.114 -0.116 -0.110 -0.118 -0.129 -0.126 -0.109 -0.123 -0.105
13 -0.086 -0.075 -0.076 -0.058 -0.069 -0.073 -0.084 -0.073 -0.067 -0.054
14 -0.051 -0.037 -0.035 -0.077 -0.030 -0.033 -0.033 -0.033 -0.025 -0.016
15 -0.015 0.003 0.002 0.004 0.017 -0.003 -0.002 -0.005 -0.001 0.014
                Incidence:
                                   7.2 dag.
                                                                                PMS Deviation: 0.028
     ROW 1 ROW 2 ROW 2 POW 4
                                                 Pow 5 Fou 6
                                                                       POW 7 POW 3 POW 9
                                                                                                           Pow10
                            1.013 -0.643 -0.340 -0.425 -1.170 -0.950 -1.350
 1 - 0.979 - 1.039
    -1.105 -1.552 -0.313 -0.912 -0.940 -1.036 -1.573 -0.994 -1.212 -2.224
 3 -1.007 -1.224 -0.016 -0.356 -0.811 -1.031 -1.165 -0.035 -1.231
 4 -1.964 -0.793 -0.944 -0.822 -0.943 -1.901 -1.370 -0.897 -1.913 -0.537
 5 -0.885 -0.500 -0.505 -0.599 -0.779 -0.953 -0.719 -0.765 -0.930 -0.215
 6 -0.608 -0.332 -0.334
                                                 -9.529 -0.510 -0.191 -0.805 -0.301 -0.335
 7 - 0.387 - 0.332 - 0.347
                                                 -0.407 -0.123 -0.370 -0.197 -0.331
 3 -0.262 -0.353 -0.441 -0.605 -0.405 -0.305 -0.344 -0.273 -0.287
 9 -0.241 -0.398 -0.951 -1.030 -1.108 -0.308 -0.278 -0.272 -0.251 -0.253
10 -0.213 -0.329 -0.475 -0.510 -3.530 -9.415 -0.252 -0.245 -0.227 -0.232
11 -0.209 -0.239 -0.264 -0.235 -0.308 -3.274 -0.226 -0.140 -3.193 -0.199
12 -0.176 -0.168 -0.174 -0.179 -0.104 -0.184 -0.168 -0.151 -0.151 -0.134
13 -0.138 -0.117 -0.119 -0.113 -0.119 -0.119 -0.119 -0.105 -0.065 -0.387
14 -0.099 -0.079 -0.075 -0.057 -0.670 -0.050 -0.053 -0.050 -0.051 -0.030
15 -0.055 -0.036 -0.040 -0.040 -0.028 -0.039 -0.035 -0.029 -0.020
                                                                                                           0.002
```

The formation not spendice of

```
Towistics: 0.016
          Indianace: 4.5 des.
                                        1~15
          PON D
                   FOU 3
                                  TOW -
                                                       Though 12
                                                                TO: 3
                         Fig. 2
                                                                      Fowl 0
   row 1
                   7.673 -0.731 -0.730 -0.560 -0.765 -1.775 -1.747
1 -1.140 -1.546
 2 -1 1/5 -1 007 -0.551 -0.705 -0.706 -0.750 -0.957 -1.755 -1.773 -1.976
3 -1.130 -1.700 -0.865 -0.930 -0.726 -0.759 -0.800 -1.947 -1.391
4 -1.119 -1.254 -0.873 -0.844 -0.751 -0.750 -0.804 -1.047 -1.374 -1.736
  -1.077 -0.711 -0.826 -0.853 -0.845 -0.761 -0.874 -1.926 -1.340 -0.652
                                 -0.914 -1.701 -0.250 -0.990 -1.170 -0.38L
5 -0.934 -0.504 -0.709
                                 -0.769 -0.761 -0.810 -0.915 -0.869
7 -0.783 -0.366 -0.678
                           --
                          0.46] -0.755 -0.700 -0.476 -0.607 -0.422 -0.357
3 -0.476 -0.383 -0.622
9 -0.345 -0.451 -0.837 -0.933 -1.058 -0.503 -0.517 -0.407 -0.506 -0.321
10 -0.297 -0.426 -0.570 -0.545 -0.753 -0.510 -0.403 -0.353 -0.545 -0.281<sup>3</sup>
11 -0.289 -0.350 -0.606 -0.450 +0.497 -0.413 -0.329 -0.350
                                                              -n.210 -0.239
12 -0.258 -0.274 -0.303 -0.331 -0.349 -0.315 -0.263 -0.200 -0.173 -0.176
13 -0.214 -0.210 -0.232 -0.248 -0.245 -0.237 -0.202 -0.144 -0.113 -0.119
14 -0.170 -0.160 -0.174 -0.173 -0.172 -0.164 -0.140 -0.093 -0.056 -0.054
15 -0.131 -0.119 -0.143 -0.152 -0.146 -0.135 -0.105 -0.007 -0.037 -0.014
                                                     pur neviation: 0.016
          Incidence: 12.0 Jaz.
          Fow 2 Fow 3 Pow 1
                                 FOR 5
                                                        form for form?
                                        108 6
                                               rou 7
                                                                       fould
   Fow 1
                  0.889 -0.833 -0.750 -0.615 -0.979 -1.317 -1.594
 1 -1.310 -1.427
  -1.311 -1.670 -1.653 -0.975 -0.755 -0.752 -0.063 -0.991 -1.370 -2.165
   -1.319 -1.661 -1.663 -0.693 -0.769 -0.749 -0.659 -0.669 -1.341
  -1.314 -1.501 -1.5 3 -0.012 -0.505 -0.751 -0.045 -0.073 -1.333 -2.228;
-1.361 -1.473 -1.141 -0.020 -0.000 -1.703 -0.000 -0.075 -1.083 -1.586;
-1.416 -0.007 -1.003 -- -0.004 -0.003 -0.000 -0.012 -1.073 -1.075 -0.556;
                                                                  .77: -0.556)
 6 -1.416 -6.697 -1.963
                                            223 -0.000
                                                       -^.
                                                           101 -1.116
  -1.072 -0.370 -1.600
                                    · ·· -
                                            17 - .
                                                   121 -
                                                -`.^;
                          - - · ·
                                 --.^^^
 3 -0.917 -0.377 -...703
                                                               -1.137 -0.410
                  -0.703 -0.600 - .713 -0.605 -6.710 -6.70
3 -0.200 -0.19
                                                          .sea _e.aa;
10 -0.953 -0.550 -0.56% -0.700 -0.005 -0.133
                                                                      -6.354
                    ์สหา แก้เร็กส แก้สุรติ แก้ไรว แก้แสร แก้
                                                          11 -0.343 -0.535 -0.
                                                                      -F.311
12 -0.335 -0.457 -0.504 -0.510 -0.531 -0. 7 -0.500 -0.531
                                                                  007 -01939
  -6.330 -6.101 -6.404 -6.431 -0.135 -1.116 -1.356 -...315 -1.111
                                                                      -7_174
  -0.000 -0.000 -0.000 - .000 -..000 - .000 -0.000 -..000 -..000
   -8.530 -0.530 - .000 -8.000 -0.333 -2.030 -2.060 -2.030 -2.330 -2.053
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The property sales and a second secon

28 TRAPPROTOAL WOLL 37589,2580

```
run moviation: 0.005
            Incidence:-12.4 dea.
                                                                    now 9
     POW 1
             LCM J
                     BOM 3
                             Pow 4
                                     10W 5
                                            row 6
                                                     con 1
                                                             DOW B
                                                                             FOW!
Tap
                     1.129 -0.010 -0.813 -0.774 -0.003 -1.061 -1.453
    -1.690
            -2.250
                                                     0.566
                                                                    0.720
                     0.537
                             0.506
                                             0.517
                                                             0.503
                                                                             0.75
     0.557
             0.556
                                     0.559
                                             0.742
             0.500
     0.611
                     0.433
                                                     0.505
                                                             0.520
                                                                    0.662
                             0.356
                                     0.453
                                                                              _-
                                                             0.300
                     0.233
                             0.080
                                     0.204
                                             0.739
                                                     0.40)
                                                                    0.552
                                                                            0.37
     0.494
             0.435
                                             0.271
                                                             0.207
                                                     0.350
     0.343
             0.353
                     0.017
                                    -0.155
                                                                    0.423
                                                                            0.432
  5
                              --
                     0.047
                                             0.140
                                                     0.281
                                                             0.313
                                                                    0.342
                                                                            0.36
     0.259
             0.297
                              --
                                    -0.331
  5
                                                     0.004
                                    -0.357
                                             9.191
                                                             0.257
                                                                     0.294
                                                                             ---
     0.100
             0.264
                     0.054
                              --
                                                                     0.198
                                                                             0.21
             0.727
                             --
                                    -0.227
                                                     0.136
                                                             0.171
                                             ).037
     0.104
                     0.164
                                                                     0.130
                                                     0.900
                                                             0.111
             0.130
                     0.333
                                    -0.050
                                             0.100
                                                                             0.15
  g
     0.042
                     0.237
                                     0.250
                                                     0.071
                                                                    0.0.0
                                             9.121
                                                             3.370
                             0.400
                                                                             0.10
 10
     0.002
             0.100
                                             0.400
                                                                     0.000
                                                     1,040
                                                             0.03
                                                                             0.06
 11 - 0.045
             0.029
                     0.081
                             0.11?
                                     0.113
                                     0.903
                                            0.015
                                                    a.30x
                                                            9.015
                                                                    0.023
                                                                            0.059
 12 - 0.071 - 0.023 - 0.001
                             0.010
 13 -0.093 -0.076 -0.069 -0.066 -0.077 -0.050 -0.083 -0.015
                                                                    0.00%
                                                                            0.031
 14 - 0.133 - 0.135 - 0.135 - 0.135 - 0.135 - 0.135 - 0.105 - 0.030 - 0.021
                                                                             0.01
 15 -0.145 -0.166 -0.172 -0.170 -0.151 -0.205 -0.173 -0.141 -0.057
                                                                             0.00
            Incidence: -0.9 lol.
                                                         r
                                                             Provintion: 0.009
             row 2
                     ROW 3
                                     Non 5
                                            POW S
                                                    1017
                                                             'OH 3
                                                                     row 9
                                                                             rowli
     Pow 1
                             row 1
Tap
                                                           -1.033 -1.521
            -2.430
                     1.225
                            -0.827 -0.712 -0.770
                                                   -0.321
    -1.333
             0.570
                     0.584
                             0.435
                                     0.556
                                                             0.503
                                                                     0.703
                                                                             0.71
     0.634
                                             0.406
                                                     0.553
                                             0.713
                                                     0.567
             0.579
                     0.418
                             0.331
                                     0.432
                                                             0.591
                                                                     0.520
      0.578
             0.451
                     0.215
                                     0.271
                                                             3. 326
                                                                     0.512
                                                                             0.510
     0.449
                             0.073
                                             0.393
                                                     0.465
             0.325
                     0.051
                              0.211
                                                             0.334
                                                                     0.371
                                                                             0.379
     0.397
                                    -0.133
                                                     0.336
                                                                     0.006
                                                             6. 77
                                    -0.273
                                                     0.254
                                                                             0.31
      0.322
             0.255
                     0.044
                                             0.140
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                                                                     0.234
                                    -0.000
             0.005
                                             0.90*
                                                     9.200
                     0.054
      0.161
                                                                     3.15.
             0.103
                                                             0.103
                                                     0.119
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      0.097
                                    -0.155
                                             0.077
                     0.338
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     0.040
                                    -0.012
                                                     0.00)
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  ò
                     0.30.
                                             0.00%
                                                             0.100
             0.173
                              --
                                                                             0.123
                     0.222
                                                                     0.079
                             0.334
                                     0.271
                                             0.105
                                                     0.070
                                                             0.951
                                                                             0.00
 10
     0.000
             0.102
                                     9.115
                                                                     0.050
 11 - 0.025
             0.030
                     9.986
                             0.110
                                             0.771
                                                     0.052
                                                             0.052
                                                                             0.057
 12 -0.042
             0.001
                     0.021
                             0.034
                                     0.030
                                             0.033
                                                     0.032
                                                             0.035
                                                                     0.029
                                                                             0.05
 13 -0.054 -0.030 -0.025 -0.014 -0.009 -0.009 -0.003
                                                             0.001
                                                                     0.031
                                                                             0.043
 14 -0.090 -0.073 -0.090 -0.064 -0.090 -0.091 -0.040 -0.091
                                                                     9.017
                                                                             0.03/
 15 -0.07% -0.070 -0.07% -0.07% -0.05% -0.100 -0.07% -0.0%% -0.30%
                                                                             0.02
                                                          R49 Deviation: 0.008
             Incidence: -7.5 dea.
                                     POW 5
             Fow ?
                     POW 3
                             now 4
                                            102 5
                                                     FOW 7
                                                             POW S
                                                                     Pow 9
                                                                             FOW L
Tap
     FOW ]
    -1.169 -1.906
                                                            -1.510 - 1.894
                     1.234 - 0.796 - 0.777 - 0.391 - 1.172
                                                                              --
  1
                                                     0.535
                                                             0.551
                                                                     0.546
                                                                             0.53
  2
      0.666
              0.559
                     0.580
                             0.445
                                     0.530
                                             0.574
      0.515
             0.533
                     0.391
                             0.297
                                     0.397
                                             0.475
                                                     0.524
                                                             0.551
                                                                     0.544
                                                                              ---
  3
             0.304
                             0.054
                                     0.241
                                             0.35?
                                                     0.414
                                                             0.435
                                                                     0.435
                                                                            0.41
      0.379
                      0.197
                                                             0.301
                                                                     0.304
                                                                             0.29
  5
      0.245
             0.266
                     0.035
                                    -0.123
                                             0.204
                                                     0.281
      0.172
             0.207
                     0.031
                              --
                                    -0.199
                                             9.114
                                                     0.208
                                                             0.227
                                                                     0.234
                                                                             0.249
                                                                     0.1893
             0.179
                     0.068
                             . ---
                                    -0.130
                                             0.079
                                                     0.153
                                                             0.181
      0.125
  7
                              --
                                                                     0.126
                                                                             0.13
      0.063
              0.154
                      0.116
                                    -0.110
                                             0.067
                                                     0.093
                                                             0.117
  8
                                                                             0.03
      0.022
              0.136
                      0.367
                               --
                                     0.031
                                             0.035
                                                     0.069
                                                             0.074
                                                                     0.077
  9
                             0.237
                                                                             0.050
                                             0.105
                                                             9.045
                                                                     0.052
                     0.164
                                     0.231
                                                     0.053
 10 - 0.002
              0.080
              0.035
                                     0.101
 11 - 0.023
                     0.070
                             0.099
                                             0.976
                                                     0.044
                                                             0.044
                                                                     0.031
                                                                             0.036
                                             0.043
                                                                             0.03
             0.015
                     0.029
                             0.039
                                     0.030
                                                     0.035
                                                             0.035
                                                                     0.022
 12 - 0.027
                                                                     0.032
                                                                             0.03
                                     0.015
                                                     0.017
                                                             0.024
 13 -0.027 -0.004
                      0.001
                             0.012
                                             0.015
                                                     0.010
                                                                             0.03
 14 -0.040 -0.024 -0.014 -0.007 -0.012 -0.004
                                                             0.010
                                                                     0.029
                                                                     0.012
                                                                             0.03
                                     0.015 - 0.020
                             0.001
                                                     0.002
                                                             0.007
 15 - 0.030 - 0.006 - 0.007
```

```
Ingilarca: -5.0 car.
                                                      F " "ovirtion: 3.01"
    PCW 3
            POW ?
                   Cou 3
                            1000
                                   POU 3
                                         107 5
                                                 TO0 7
                                                         100 3
                                                                1000
                                                                       Powl 3
  1 -0.928 -1.229
                    1.309 -1.116 -1.200 -1.230 -1.600
                                                        -1.50
     0.577
            0.576
                    0.558
                           0.470
                                   1...12
                                          9.000
                                                 1.577
                                                         9.551
                                                                       0.529
     0.411
            0.413
                    0.337
                           0.311
                                   0.072
                                          3.410
                                                 0.451
                                                         0.443
                                                                0.447
     0.288
            0.296
                    0.176
                           0.000
                                  0.026
                                          3.301
                                                 0.320
                                                        0.234
                                                                       0.299
                                                                0.339
     0.170
            0.186
                    0.068
                            ___
                                 -0.057
                                          1.170
                                                 a.20a
                                                        9.215
                                                                       0.194
     0.109
            0.130
                    0.079
                                  -9.023
                                          9,000
                                                 0.146
                                                        0.151
                                                                0.150
                                                                       0.165
     327.0
            0.115
                                 -0.035
                    0.067
                                          0.057
                                                 0.105
                                                        0.141
                                                                0.119
 -8
     0.021
            0.194
                    n.ngc
                                 -0.927
                                          0.041
                                                 3.047
                                                        €.070
                                                                7.945
                                                                       0.997
 9
   -0.007
            0.057
                   0.212
                            ___
                                  0.071
                                                 0.032
                                          0.047
                                                        6.000
                                                                0.025
                                                                       0.033
 10 -0.027
            0.925
                   0.015
                           3.153
                                  0.112
                                          BLOFF
                                                 0,016
                                                        0.015
                                                                0.312
                                                                       0.907
 11 - 0.041 - 0.006
                   0.020
                           0.041
                                          0.000
                                  0.044
                                                 0.011
                                                        0.914
                                                                      -0.003
                                                               9.003
 12 -0.024 -0.004
                   0.00=
                           0.011
                                                 1.011
                                  0.000
                                          4.010
                                                        0.013 -0.002
                                                                       0.012
 13 -0.027 -0.000 -0.002
                           0.000
                                  0.007
                                          0.010
                                                 0.011
                                                        0.013
                                                               0.019
                                                                       0.022
 14 -0.023 -0.011
                   0.004
                           0.011
                                  0.003
                                          0.011
                                                 0.920
                                                        0.011
                                                                0.026
                                                                       0.033
15 -0.012
           0.017
                   0.024
                           0.030
                                  0.045
                                          0.013
                                                 ora.a
                                                        0.014
                                                                0.019
                                                                       9.036
           Incidence: -2.5 des.
                                                     ric Deviction: 0.000
     Fow I
            POW ?
                   LOM 3
                          FOW 4
                                                 r~y 7
                                  Pour 5
                                        FOW S
                                                        DUM: 0
                                                                FOW 9
                                                                       POWID
  1 -0.230 -0.418
                   1.448 -0.140 -0.309 -1.045 -0.683 -0.763 -0.346
    0.421
            0.387
                   0.317
                           0.235
                                 0.303
                                                 1.360
                                         0.315
                                                        0.382
                                                                       0.327
                                                                0.347
     0.240
            0.232
                   0.160
                          0.140
                                  0.207
                                         0.251
                                                 0.266
                                                        0.266
                                                               0.245
    0.149
            0.155
                   0.055 - 0.009
                                  0.104
                                         0.158
                                                 0.206
                                                        0.181
                                                                0.172
                                                                       0.154
 5
    0.071
            0.082
                   0.020
                                 -0.097
                                         0.052
                                                 0.093
                                                        0.092
                                                               0.089
                                                                       0.995
    0:030
            0.050
                   0.041
                                 -0.017
                                         0.016
                                                 0.049
                                                        0.052
                                                               0.048
                                                                       0.063
     0.003
            0.035
                   0.028
                                 -0.018 0.005
                                                 0.023 0.027
                                                               0.023
 8 - 0.024
            0.022
                   0.038
                            --
                                 -0.012 -0.007 -0.011 -0.008 -0.009
                                                                       0.001
 9 -0.043 -0.003
                           --
                  0.148
                                  0.068 - 0.005 - 0.023 - 0.026 - 0.032 - 0.022
10 -0.048 -0.040 -0.197 -0.572 -0.037 -0.016 -0.029 -0.037 -0.037 -0.032
11 -0.053 -0.036 -0.029
                          0.013 -0.013 -0.024 -0.029 -0.017 -0.037 -0.032
12 - 0.036 - 0.020 - 0.019 - 0.006 - 0.020 - 0.015 - 0.012 - 0.008 - 0.032 + 0.008
13 -0.023 -0.012 -0.018
                          0.003 -0.004 -0.009 -0.004 0.000 -0.005
                                                                       0.007
14 -0.014 -0.005
                  0.002
                          0.015 0.006 0.007 0.014
                                                        0.005
                                                               0.015
                                                                      0 025
15
    0.015 0.024
                  0.029
                          0.041
                                        0.016 0.020
                                 0.048
                                                        0.011
                                                               0.013
                                                                      0.035
           Incidence: -0.2 dea.
                                                     FMS Deviation: 0.007
           POW 2 ROW 3 POW 4
                                        Pow 6
                                 Pow 5
                                                POW 7
                                                        FOW B
                                                               Pow 9
                                                                      Dowl 0
    0.632
           0.681
                   1.582
                          0.669 0.678 0.638
                                               0.704
                                                        9.653
                                                               0.690
           0.049 -0.021 -0.134 -0.088 -0.081 -0.921
    0.047
                                                        0.031
                                                               0.025
                                                                      0.952
   -0.014 -0.015 -0.062 -0.083 -0.039 -0.902
                                               0.299
                                                       0.015
                                                              0.011
   -0.027 -0.014 -0.079 -0.138 -0.062 -0.022 -0.004 -0.007 -0.004
                                                                      0.006
 5 -0.052 -0.037 -0.039
                                -0.170 -0.064 -0.045 -0.045 -0.042 -0.027
                          --
 6 -0.062 -0.048 -0.010
                                -0.049 -0.078 -0.056 -0.063 -0.058 -0.038
 7 -0.069 -0.045 -0.017
                                -0.939 -0.967 -0.964 -0.969 -0.066
 8 -0.074 -0.049 -0.003
                                -0.024 -0.062 -0.074 -0.082 -0.078 -0.065
                           ___
 9 -0.083 -0.077
                  0.045
                           --
                                 0.013 -0.064 -0.079 -0.030 -0.099 -0.091
10 -0.083 -0.107 -0.267 -0.670 -0.197 -0.092 -0.33% -0.094 -0.009 -0.003
11 -0.078 -6.091 -0.090 -0.100 -0.002 -0.000 -0.070 -0.070 -0.073 -0.073 -0.073
12 -0.656 -0.056 -0.062 -0.050 -0.055 -0.059 -0.045 -0.043 -0.362 -0.341
13 -0.035 -0.036 -0.039 -0.024 -0.033 -0.035 -0.039 -0.025 -0.022 -0.020
14 -0.010 -0.016 -0.008 0.004 -0.010 -0.008 -0.013 -0.012
                                                              0_.003
    0.015 0.023 0.021 0.032 0.045 0.009 -0.001 0.005
                                                              0.004= 0.024
```

Sand History and Comment of the sand of the

<u>Lieuliklisi - i s</u>

```
2.3 300.
                                                  rus Deviction: 9.011
                                      504 5
                                             T 00 7
                                                     LCA 3
                                                            POW 9
                                                                   now10
                 POW 3
                               POW 5
          LOM :
                         FOU 1
                                      0.334
                                                     0.364
                                                            0.137
                         0.135
                              0.024
                                             0.374
                 1.538
          9.301
   0.181
  -0.449 -0.416 -0.455 -0.609 -0.644 -0.512 -0.506 -0.604 -0.432 -0.318
  -0.317 - 0.309 - 0.231 - 0.349 - 0.339 - 0.312 - 0.296
                                                    -0.330 -0.363
  -0.235 -0.197 -0.211 -0.277 -0.232 -0.233 -0.225 -0.22: -0.201 -0.171
                               -n.n12 -n.137 -n.193 -0.196 -0.197 -0.15例
  -0.183 -0.140 -0.086
                        ___
                               -0.001 -0.175 -0.177 -0.350 -0.153 -0.121
  -0.161 -0.141 -0.073
                               -0.070 -0.137 -0.153 -0.153 -0.162
  -0.142 -0.117 -0.035
                               -0.076 -0.100 -0.154 -0.151 -(.153 -0.137
  -0.129 - 0.111 - 0.061
                               -0.373 -0.130 -0.137 -0.146 -6.153 -0.138
                         ---
9
  -0.130 -0.149 -0.050
10 -0.118 -0.200 -0.619 -0.611 -0.612 -0.105 -0.136 -0.136 -0.135 -0.133
11 -0.112 -0.156 -0.212 -0.303 -0.200 -6.172 -0.124 -0.105 -0.119 -0.119
   -0.084 -0.097 -0.097 -0.003 -0.185 -0.110 -0.000 -0.031 -0.002 -0.07 Z
13 -0.055 -0.053 -0.056 -0.048 -0.033 -0.064 -0.063 -0.053 -0.046 -0.045
14 -0.026 -0.027 -0.015 -0.012 -0.022 -0.021 -0.018 -0.023 -0.008 -0.005
                 0.014 0.013 0.032 0.002 0.003 0.001 0.002 0.016
   0.003 0.014
                                                  rus revistion: 0.023
          Incidence: 4.7 deq.
                                                     FOW 3
                                                            EC# 3
          Pow 2 Fow 3 Fow 4
                               row 5 row s
                                              now 7
   Pow 1
                  1.489 -1.159 -1.120 -0.237 -1.325 -2.173 -2.114
 1 - 0.721 - 0.479
 2 -1.184 -1.148 -1.175 -1.535 -1.280 -1.220 -1.243 -1.058 -0.041 -0.691
 3 -1.010 -0.560 -0.791 -0.504 -1.014 -1.110 -0.763 -0.580 -0.525
 4 -0.666 -0.412 -0.309 -0.401 -0.543 -0.648 -0.513 -0.498 -0.452 -0.365
                               -0.202 -0.335 -0.377 -0.372 -0.351 -0.285
                         --
   -0.308 -0.270 -0.192
                               -0.111 -0.000 -0.313 -0.314 -0.302 -0.23
 6 -0.256 -0.235 -0.163
                               -0.157 -0.117 -0.256 -0.277 -0.373
 7 -0.223 -0.200 -0.100
                             -0.170 -0.100 -0.035 -0.031 -0.039 -0.214
 9 - 0.195 - 0.195 - 0.167
                          ___
                               -n.sps -r.las -s.ss -n.ss -0.sis -0.sis -0.201
                          --
 9 -0.109 -0.237 -0.259
10 -0.172 -0.301 -0.040 -0.000 -0.006 -0.000 -0.206 -0.205 -0.180 -0.133
11 -0.160 -0.242 -0.367 -0.437 -0.427 -0.230 -0.181 -0.172 -0.161 -0.155
12 -0.126 -0.156 -0.173 -0.166 -0.164 -0.165 -0.136 -0.138 -0.127 -0.101
13 -0.001 -0.101 -0.007 -0.065 -0.079 -0.092 -0.080 -0.082 -0.071 -0.059
14 -0.055 -0.050 -0.042 -0.018 -0.031 -0.034 -0.032 -0.038 -0.023 -0.013
15 -0.019 -0.006 -0.005 0.012 0.019 -0.005 -0.001 -0.003 -0.004
                                                                   -9.017
                                                   pre Deviation: 0.017
          Incidence: 7.2 dec.
                                ROW 5 POW 6 POW 7 FOW 8 POW 9 POUL 0
           POW 2 POW 3 ROW 4
   rew 1
                 1.332 -0.691 -0.846 -0.492 -1.013 -0.969 -1.281
 1 - 1.000 - 0.888
 2 - 1.094 - 1.485 - 0.935 - 0.849 - 0.838 - 1.007 - 1.385 - 0.922 - 1.212 - 2.713
 3 -1.078 -1.192 -0.959 -0.856 -0.827 -1.000 -1.396 -0.934 -1.213
   -1.049 -0.878 -0.850 -0.818 -0.837 -0.995 -1.209 -0.908 -1.205 -0.50$
                                -0.753 -0.847 -0.758 -0.789 -0.978 -0.409
                          --
   -0.860 - 0.401 - 0.540
                                -0.510 -0.639 -0.510 -0.635 -0.546 -0.32
 6 -0.571 -0.360 -0.351
                          --
                                -0.391 - 0.422 - 0.404 - 0.499 - 0.335
 7 -0.361 -0.208 -0.354
                         --
                                                                   -0.279
                                -0.350 - 0.283 - 0.296 - 0.321 - 0.267
   -0.239 - 0.264 - 0.325
                         --
                                -0.430 -0.300 -0.250 -0.268 -0.253 -0.254
                         ---
   -0.227 - 0.304 - 0.493
10 -0.213 -0.369 -0.993 -1.009 -1.037 -0.403 -0.244 -0.235 -0.219 -0.224
11 -0.210 -0.301 -0.460 -0.553 -0.630 -0.309 -0.326 -0.194 -0.188 -0.188
12 -0.179 -0.204 -0.233 -0.226 -0.296 -0.249 -0.177 -0 156 -0.152 -0.12
13 -0.143 -0.138 -0.143 -0.124 -0.154 -0.153 -0.124 -0.109 -0.992 -0.08
14 -0.102 -0.085 -0.080 -0.066 -0.079 -0.083 -0.063 -0.059 -0.041 -0.02
15 - 0.069 - 0.038 - 0.045 - 0.037 - 0.032 - 0.054 - 0.035 - 0.028 - 0.023 0.008
```

```
ric poviation: 0.014
                     9.6 300.
         Incidance:
                                                                  roul項
                                      Tor 5 now 7
                                                    FOH F
                                                           FOU 3
          Pow 1 Pow 3 Pour 4
                               TOW 5
  fow 1
                 1.267 -0.677 -0.702 -0.412 -0.734 -1.232 -1.766
 1 -1.170 -1.411
  -1.148 -1.840 -0.832 -0.740 -0.652 -1.716 -0.845 -1.012 -1.378 -2.406
  -1.136 -1.485 -0.243 -0.749 -0.623 -0.713 -0.840 -1.600 -1.380
  -1.122 -1.294 -0.859 -0.796 -0.766 -0.717 -0.832 -0.991 -1.378 -1.717
                               -0.700 -0.730 -0.010 -0.000 -1.307 -0.409
  -1.079 - 0.71 -0.611
                          --
                               -0.701 -0.707 -0.000 -0.000 -1.000 -0.394
6 -0.961 -0.495 -0.746
                          --
                               -n.724 -0.710 -1.756 -6.151
                                                           -0.301
  -0.746 - 0.393 - 0.701
                          ---
                               -0.571 -1.501 -0.574 -1.735
                                                           -(.11
                                                                  -0.376氢
  -0.435 -0.306 -0.509
                               -0.707 -0.100 -1.500 -0.550 -0.567 -0.344
  -0.321 - 0.327 - 0.532
9
10 -0.263 -0.375 -0.706 -0.904 -1.000 -0.517 -6.436 -6.413 -6.227 -0.305
11 -0.202 -0.374 -0.480 -0.538 -0.656 -0.700 -0.300 -0.001 -0.203 -0.254
12 -0.262 -0.315 -0.355 -0.380 -0.436 -0.220 -0.300 -0.210 -0.168 -0.188
13 -0.222 -0.253 -0.276 -0.209 -0.312 -0.292 -0.217 -0.158 -0.100 -0.130
14 -0.190 -0.190 -0.204 -0.213 -0.225 -0.714 -2.157 -4.301 -0.054 -0.056
15 -0.140 -0.144 -0.177 -0.190 -0.137 -0.100 -0.105 -0.675 -0.026
                                                  Tin naviation: 0.020
          Indianan: 11.6 Sea.
                                                     POW 9
                                                           F ⊙ω 3
                                                                   Povil (
                                TOW 5 FOR 5
                                              " CN: 7
          Pour 2
                 201. 3 2011 4
    Pow 1
                 1.100 -0.776 -0.754 -0.524 -0.929 -1.331 -1.618
 1 -1.323 -1.532
 2 -1.310 -1.660 -0.093 -0.617 -0.728 -0.767 -6.665 -1.034 -1.475 -2.580
                                                           -1:466
 3 -1.316 -1.780 -0.004 -0.835 -0.737 -0.754 -0.886 -1.037
 4 -1.321 -1.616 -1.634 -6.686 -6.756 -6.771 -6.683 -1.024 -1.445 -2.48頭
                               -0.865 -0.786 -0.878 -1.487 -8.770
                          --
  -1.307 -3.000 -1.001
                               -3.179 -6.608 -(.967 -0.935 -1.354 -0.47%
  -1.001 - 0.007 - 1.001
 7 -1.134 -0.490 -3.001
                               -0.550 -0.521 -0.840 -0.352 -1.841
                          --
                               -0.076 -0.774 -0.002
                                                    -0.857 -0.858 -0.467
 8 -0.727 -0.370 -0.757
                          --
                               -0.700 -6.640 -6.693 -0.743 -6.571 -0.420
 9 -0.463 -0.373 -0.504
                          ___
10 -0.398 -0.410 -0.424 -0.444 -0.7020-0.7020 -0.566 -0.586 -0.392 -0.370
11 -0.315 -0.467 -0.556 -0.516 -0.634 -0.605 -6.446 -6.431 -6.260 -0.309
12 -0.322 -0.450 -0.464 -0.510 -0.516 -0.500 -0.301 -0.348 -0.233 -0.231
13 -0.366 -0.362 -0.415 -0.417 -0.414 -0.426 -0.335 -0.270 -0.155 -0.164
14 -0.279 -0.342 -0.339 -0.350 -0.351 -0.349 -0.289 -0.205 -0.101 -0.004
15 -0.227 -0.233 -0.315 -0.223 -0.313 -0.320 -0.255 -0.189 -0.082 -0.65遺
```

```
Incidence:-32.4 det.
                                                       tur provintion: 9.015
                                                                  rough a
                    5 MC 3
                                   reti "
                                                          TO: 5
             row 2
                            ror 4
                                          100 5
                                                   " OK 7
                                                                          new10
     POW 1
Tan
                                                 -1.308 -1.365 -1.434
   -0.886 -0.363
                    0.007 -0.985 -1.000 -1.300
                                           0.700
                            0.690
                                   9.709
                                                  0.709
                                                          0.533
                                                                  0.697
                                                                          0.740
             0.661
                    0.665
     0.629
                                                          0.586
                                                                  0.610
                            0.639
                                   0.645
                                          6.656
                                                   0.540
     0.552
             0.601
                    0.608
                                                                         0.559
                                                                  0.485
             0.502
                                           0.559
                                                   0.549
                                                          0.452
     0.444
                    0.497
                            0.544
                                    0.552
                                                                  0.263
                                                                         0.413
                                           0.434
                                                   0.429
                                                           0.225
     0.306
             0.369
                    0.376
                            0.415
                                    0.425
                                           0.349
                                                   0.363
                                                                          0.342
                                    0.341
                                                          0.161 -0.056
                            0.334
     0.218
             0.286
                    0.311
                                           0.092
                                                   9.318
                                                          0.331
                                                                 -0.040
                            0.266
                                    0.279
                    0.239
  7
     0.159
             0.221
                                                                          0.204
                                                                  0.362
                            0.169
                                           0.203
                                                   0.220
                                                          6.356
                                    0.193
  8
     0.058
             0.125
                    0.153
                                           0.130
                                                   0.145
                                                          0.191
                                                                  0.220
                                                                          0.154
                                    0.112
   -0.008
             0.049
                    0.059
                            0.101
                                                           0.103
                                                                  0.129
                                                                          0.109
                                           0.070
                                                   0.092
 10 -0.049 -6.006 -0.003
                            0.047
                                    0.053
                                           0.032
                                                   0.038
                                                           0.066
                                                                  0.071
                                                                          0.075
    -0.096 - 0.048 - 0.027
                            0.008
                                    0.025
                                                   0.004
                                                           0.023
                                                                  0.030
                                                                          0.057
 12 -0.125 -0.083 -0.055 -0.030 -0.025 -0.007
                                                                          0.031
 13 -0.156 -0.123 -0.117 -0.069 -0.056 -0.040 -0.037 -0.017
                                                                  0.011
 14 -0.224 -0.204 -0.164 -0.111 -0.108 -0.082 -0.078 -0.078 -0.025
                                                                          0.007
 15 -0.275 -0.218 -0.183 -0.130 -0.087 -0.111 -0.113 -0.119 -0.075 -0.012
            Incidence: -9.9 dea.
                                                       RMS Deviation: 0.007
                                           Row 5
                                                  Pow 7
                                                           Pow 8
                                                                  Row 9
                                                                          Rowl 0
     Fow 1
             Pow 2
                    Fow 3 Row 4
                                   Pow 5
                   -0.948 -1.011 -1.135 -1.293 -1.307 -1.162 -1.351
    -0.781 - 0.935
                                                                          0.706
                                                                  0.662
     0.636
             0.668
                     0.677
                            0.671
                                    0.689
                                           0.684
                                                   0.682
                                                           0.645
                                                   0.592
                                                           9.527
                                                                  0.560
                                                                           __
     0.520
             0.576
                     0.583
                            0.593
                                    0.599
                                           0.609
                                                   0.492
                                                                  0.432
                                                                          0.485
                     0.462
                                    0.495
                                           0.502
                                                           0.395
     0.404
             0.464
                            0.437
                     0.339
                            0.360
                                    0.370
                                           0.377
                                                   0.375
                                                           9.189
                                                                  0.224
                                                                          0.349
     0.269
             0.335
                     0.280
                            0.282
                                    0.289
                                           0.298
                                                   0.315
                                                           0.143 - 0.052
                                                                          0.288
             0.254
     0.137
                                           0.248
                                                   0.273
                                                           0.309 - 0.025
                     0.218
                            0.219
                                    0.235
     0.125
             0.197
                                                                  0.331
                                                                          0.162
                     0.141
                            0.134
                                    0.161
                                           0.169
                                                   0.183
                                                           0.301
     0.048
             0.116
                                                           0.165
                                                                  381.0
                                                                          0.122
                            0.078
                                    0.091
                                           0.106
                                                   0.125
     0.000
             0.051
                     0.060
                                                                  0.115
                                                                          0.087
                                                   0.077
                                                           0.095
                                    0.047
                                           0.059
 10 -0.026
             0.012
                     0.014
                            0.038
                                    0.027
                                                           0.066
                                                                  0.070
                                                                          0.061
                            0.012
                                           0.034
                                                   0.044
 11 -0.059 -0.020
                     0.001
                                                   0.025
                                                           0.039
                                                                  0.042
                                                                          0.056
 12 -0.072 -0.038 -0.013 -0.010 -0.007
                                           0.011
 13 -0.085 -0.057 -0.055 -0.031 -0.018 -0.008
                                                   0.001
                                                           0.016
                                                                  0.035
                                                                          0.041
                                                                          0.030
 14 -0.124 -0.103 -0.075 -0.048 -0.042 -0.026 -0.015 -0.015
                                                                  0.014
 15 -0.140 -0.104 -0.074 -0.047 -0.013 -0.034 -0.028 -0.040 -0.014
                                                                          0.020
            Incidence: -7.5 deg.
                                                        R'S Deviation: 0.011
                                                                          COW] 05
                                    FOU 5
                                           "OW 5
                                                   row 7
                                                          Pou 3
                                                                  Pow 9
             POU 2
                    Fow 3
                            POW 4
                                                  -1.991 -1.169 -1.606
    -0.834 - 1.216 - 1.284 - 1.479 - 1.628 - 1.761
                                                                           ___
                                                                  9.611
                                                                          0.625%
                     0.572
                                            0.654
                                                   0.650
                                                           0.583
     0.638
             0.667
                            0.657
                                    0.669
                                            0.561
                                                   9.541
                     0.550
                            0.561
                                    0.558
                                                           0.457
                                                                  0.489
     0.490
             0.549
                                                   0.431
                                                                          0.393
                                                           0.335
                                                                  0.361
                     0.417
                                           0.442
     0.371
             0.424
                            0.444
                                    0.444
                                                   0.308
                                                                          0.279
             0.293
                     0.200
                                            9.317
                                                           0.172
                                                                  9.177
     0.233
                            0.311
                                    0.316
                                            0.241
                                                   0.251
                                                           0.137 - 0.024
                                                                          0.231
                     0.239
                            0.238
                                    0.240
      0.157
             0.214
                                                   0.213
                                                                  0.010
      0.106
                            0.177
                                    0.187
                                            0.196
                                                           0.279
  7
             0.162
                     0.178
                                                                          0.115
                                                   0.131
                                                           0.198
                                                                  0.250
      0.039
             0.090
                     0.112
                            0.101
                                    0.123
                                            0.127
                                                                          0.0798
                                            0.074
                                                   0.084
                                                           g.ins
                                                                  0.125
                            0.054
  9 - 0.005
             0.036
                     0.040
                                    0.051
                                                                          0.049
                                            0.035
                                                   0.045
                                                                  0.058
                                                           0.056
 10 -0.023
             0.005
                     0.001
                            0.023
                                    0.027
                                           0.020
                                                                          0.032
                                                   0.023
                                                           0.048
                                                                  0.035
 11 -0.046 -0.016 -0.002
                            0.007
                                    0.017
                                                                          0.032
 12 -0.050 -0.020 -0.005 -0.006 -0.004
                                           0.009
                                                   0.012
                                                           0.025
                                                                  0.019
                                                                          0.030
                                                                   0.024
 13 -0.046 -0.027 -0.028 -0.012 -0.007 -0.001
                                                   0.001
                                                           0.011
 14 -0.058 -0.047 -0.024 -0.008 -0.018 -0.007 -0.004 -0.005
                                                                          0.029
                                                                   0.017
                                                                          0.027
                    0.001
                           0.011 0.024 -0.007 -0.003 -0.016 -0.001
 15 -0.053 -0.021
```

```
fur bevittion: 0.612
           Incidence: -5.0 dea.
                                                       1015
                                                               Fo. 3
                                                                      Fould'
                                        10.7
                                  COW 5
           Pow 2 Tev 3
                          Ton; 4
    Fow 1
                                        -1.377 -1.711
                                                      -1.815 -2.440
                         -1.470 -1.471
   -0.933 - 1.074 - 1.473
                                                                      0.529
                                        0.75
                                                               6.547
                                                6.760
                                                       0.540
                                  (....5
                          0.557
            0.034
                   0.629
    0.601
                                         0.475
                          C.473
                                 1.461
                                                0.445
                                                       0.334
                                                               0.415
                   0.416
            0.486
    0.431
                                                               0.295
                                                                      0.292
                          0.357
                                  0.350
                                         :.310
                                                6.337
                                                       0.200
            0.350
                   0.340
 4
    0.309
                                                               6.111
                                         0.000
                                                        0.133
                                  9.232
                                                                      0.104
            0.229
                   0.217
                          0.234
 5
    0.188
                                                        4.12,
                                  0.140
                                         0,166
                                                               0.0 (
                                                                      0.161
                                                7.300
                   0.308
                          0.170
 5
    0.118
            9.157
                                                               0.550
                                         0.100
                                                4.131
                                                                       ___
                                  6.103
                   0.139
    0.074
                          0.110
 7
            0.111
                                                        0.935
                                                               4.175
                                                                      0.068
                                         0.072
                                                4.064
            0.052
                          0.055
                                 9.066
 23
    0.020
                   0.072
                                                       0.041
                                                               6.043
                                                                      0.035
                                         0.030
                                                1.332
                          0.019
                                 v.055
                   0.305
            0.011
   -0.010
                                                       0.600
                                                               6.614
                                         1.000
                                                                      0.012
   -0.028 -0.013 -0.021 -0.001 -0.000
                                                0.605
10
   -0.044 -0.004 -0.017 -0.007 -0.000 -0.003 -0.004
                                                       0.007 -0.004
                                                                      0.004
11
                                                       1; 00:
                 +0.012 -0.010 -0.014 -0.000 -0.003
                                                             -f.aa+
                                                                      0.015
          -0.021
12
   -0.039
                                                       0.00
                                                               3.003
                                        -c.acc -c.acs
                                                                      0.020
   -0.028
           -0.017 -0.025 -0.002 -0.005
13
                                        0.003
                                                               0.915
                                                                      0.031
                                                0.000
                                                        0.0.1
          -0.020 -0.005
                         0.005 -0.002
14 -0.026
                                                       3.000
                                                                1.907
                                                                      0.035
                   0.023
                          0.033
                                9.041
                                         0.007
                                                0,006
            0.012
15 -0.008
                                                       c jevintion: 0.006
           Indianne: -0.3
                           ·c-.
                                  FOW 5
                                        F(") 5
                                                FON! 7
                                                       1000
                                                              res 3
                                                                      FOW10
                   FOW 3
                          POV 4
           FOW 1
     row 1
                  -0.769 -0.769 -0.766 -3.763 -4.752
                                                       -0.5%
                                                              -1.328
    -0.556 -0.955
                                                0.350
                                                        6.31,
                                                               ..342
                                                                       0.328
                                  0.305
                                         0.353
                          0.337
                   0.459
     0.473
                                                4.255
                                                        0.233
                                                               6.235
                          6.293
            0.200
                   0.2:5
                                  0.774
     0.277
                                                                       0.156
                                  0.193
                                         0.103
                                                        1.14:
                                                               0.151
            0.300
                           0.001
                                                6.151
                   3.121
     0.173
                                                        0.054
                                                                       0.085
                                                5.006
                                                               0.639
                                         0.103
                   0.955
                          9.104
                                  0.166
     0.079
            0.100
                                                                       0.053
                                                0.657
                                                        6.073 -0.064
            0.050
                   9.100
                          6.050
                                  6.060
                                         1.655
     0.032
                                         4.031
                                                        0.157
                                                               0.036
                   0.039
                          4.025
                                  0.633
                                                1.031
            0.029
  7
     0.007
                                                       -0.631 -0.331 -0.000
                  -0.000 -0.010 -0.001 -0.00F
                                               - .912
    -0.007 -0.007
 8
                  -n.046 -0.037 -0.031 -0.002 -0.034
                                                      -1.02v -6.130 -6.929
           -0.031
    -0.052
                                -(.044 -(.210 -(.048 -6.013 -0.042 -0.038
   -0.054 -0.010
                  -0.657 -0.042
 10
   -0.063 -0.040 -0.044 -0.030 -0.027 -0.003 -0.045 -0.033 -0.045 -0.039
   -0.048 -0.033 -0.031 -0.032 -0.034 -0.032 -0.032 -0.034 -0.042 -0.015
                                                                      -0.002
 13 -0.029 -0.022 -(.034 -0.019 -0.016 -0.019 -0.021 -0.015 -0.013
                                                              0.003
 14 -0.017 -0.010 -0.006 0.004 -0.004 -0.000 -0.00° -0.007
                                                                       0.017
                                                                       0.028
                                                               0.902
                                                        0.000
                           0.027 0.017 0.010
                                                0.004
                   0.031
     0.010 0.021
 15
                                                     pur projetion: 0.007
           Indianana - f., aca.
                                                               FOU 9
                                                 Tow 7
                                                        F07 8
                                                                       roul 6
                                          70V 5
            PCG ?
                    DCH 3
                           TOW A
                                  FOU 5
     FOW 1
Sap
                                                                0.679
                                                        0.655
                                                                        ___
                                                0.721
            0.630
                    0.645
                           0.653
                                 0.571
                                        0.525
     0.653
  1.
                                                                       3.050
                   0.053 -0.059 -0.040 -0.062 -0.020
                                                        0.016
                                                                0.918
            0.059
     0.067
                                                        0.003
                                                               0.000
  3 -0.015 -0.005 -0.010 -0.002
                                  0.002
                                        ก.กฏก
                                                300.0
  4 -0.033 -0.012 -0.034 -0.014 -0.006 -0.011 -0.007 -0.016 -0.023
                                                                      0.001
  5 -0.060 -0.049 -0.103 -0.052 -0.049 -0.048 -0.048 -0.049 -0.079 -0.033
                                                       0.003 - 0.136 - 0.045
  6 -0.072 -0.066 -0.019 -0.065 -0.066 -0.067 -0.063
  7 -0.075 -0.074 -0.062 -0.082 -0.075 -0.070 -0.078
                                                       0.074 - 0.009
  8 -0.081 -0.082 -0.073 -0.100 -0.085 -0.086 -0.101 -0.211 -0.154 -0.073
  9 -0.089 -0.091 -0.101 -0.098 -0.097 -0.097 -0.103 -0.113 -0.113 -0.085
 10 -0.081 -0.090 -0.098 -0.091 -0.098 -0.097 -0.104 -0.104 -0.099 -0.090
 11 - 0.080 - 0.079 - 0.076 - 0.075 - 0.080 - 0.080 - 0.093 - 0.078 - 0.090 - 0.087
 12 -0.060 -0.056 -0.052 -0.059 -0.063 -0.064 -0.059 -0.061 -0.073 -0.048
   -0.036 -0.035 -0.046 -0.037 -0.034 -0.032 -0.044 -0.041 -0.035 -0.026
 14 -0.013 -0.025 -0.012 -0.004 -0.016 -0.012 -0.017 -0.020 -0.009
                                                                       0.004
     0.018 0.019 0.030 0.032 0.042 0.002 -0.003 -0.005 -0.007
                                                                       0.018
```

Incidence:

2.3 Foc.

```
Tim Deviation: 0.005
           POW 2 FOW 3 FCW 1
                                TOW 5 FOU 5
                                              7017
                                                     TOUR FOW 9
          0.238 - 0.244 - 0.149 - 0.337
                                       0.421
                                             0.454
                                                     0.363
                                                           0.273
 2 -0.501 -0.505 -0.523 -0.540 -0.630 -0.602 -0.544 -0.539 -0.455 -0.29
 3 -0.366 -0.380 -0.377 -0.338 -0.323 -0.290 -0.271 -0.244 -0.244
 4 -0.263 -0.252 -0.311 -0.254 -0.039 -0.036 -0.205 -0.126 -0.194 -0.166
 5 -0.202 -0.214 -0.254 -0.211 -0.103 -0.200 -0.184 -0.135 -0.186 -0.14
 6 -0.178 -0.199 -0.151 -0.104 -0.103 -0.105 -0.177 -0.035 -0.105 -0.12
 7 -0.155 -0.171 -0.168 -0.192 -0.176 -0.179 -0.174 -0.314 -0.654
 8 -0.135 -0.150 -0.147 -0.374 -0.353 -0.360 -0.30: -0.400 -0.260 -0.33
 9 -0.127 -0.147 -0.183 -0.186 -0.186 -0.186 -0.168 -0.109 -0.189 -0.14
10 -0.110 -0.107 -0.137 -0.135 -0.143 -0.140 -0.151 -0.152 -0.146 -0.14
11 -0.101 -0.108 -0.107 -0.110 -0.107 -0.111 -0.124 -0.116 -0.125 -0.121
12 -0.675 -0.070 -0.676 -0.023 -0.090 -0.086 -0.090 -0.087 -0.160 -0.084
13 -0.046 -0.051 -0.060 -0.052 -0.055 -0.055 -0.061 -0.059 -0.952 -0.04
14 -0.021 -0.026 -0.010 -0.015 -0.022 -0.021 -0.026 -0.627 -0.019 -0.00
    0.015 0.017 0.023 0.025 0.032 8.002 -0.003 -0.003 -0.013 0.016
          Incidence:
                      4.7 den.
                                                  PMS Deviction: 0.014
          Flow D Flow 3 Pour 4
                               POW 5 TOW 5
                                             Pov 7 Fou 8 Pov 9
                                                                   Fowl
 1 -0.678 -0.402 -1.122 -1.505 -1.332 -0.437 -1.069 -1.487 -1.653
  -1.126 -1.099 -1.215 -2.015 -1.439 -1.171 -1.083 -0.854 -0.833 -0.629
 3 -0.988 -1.035 -1.167 -1.415 -1.319 -0.965 -0.652 -0.543 -0.553
 4 -0.008 -0.875 -1.063 -0.387 -0.589 -0.554 -0.450 -0.379 -0.399 -0.346
 5 -0.429 -0.469 -0.367 -0.364 -0.339 -0.397 -0.343 -0.226 -0.305 -0.271
 6 -0.293 -0.310 -0.230 -0.310 -0.310 -0.330 -0.303 -0.077 -0.252 -0.214
 7 -0.230 -0.257 -0.254 -0.293 -0.279 -0.294 -0.284 -0.999 -0.193
                                                                   --
 8 -0.196 -0.225 -0.218 -0.253 -0.235 -0.252 -0.292 -0.575 -0.484 -0.208
 9 -0.178 -0.201 -0.215 -0.219 -0.219 -0.225 -0.244 -0.304 -0.295 -0.204
10 -0.152 -0.169 -0.187 -0.134 -0.188 -0.194 -0.203 -0.205 -0.203 -0.19
11 -0.139 -0.142 -0.144 -0.143 -0.142 -0.151 -0.163 -0.152 -0.162 -0.16
12 -0.112 -0.106 -0.105 -0.112 -0.115 -0.118 -0.117 -0.109 -0.126 -0.110
13 -0.079 -0.074 -0.087 -0.074 -0.074 -0.080 -0.079 -0.075 -0.071 -0.065
14 -0.045 -0.013 -0.035 -0.025 -0.034 -0.033 -0.032 -0.035 -0.025 -0.015
15 -0.019 0.000 0.005 0.013 0.023 -0.011 -0.007 -0.013 -0.019 0.011
          Indidense: 7.2 des.
                                                  P'S Deviation: 0.031 &
          Row 7 For 3 Fow 4 Fow 5 Fow 5 Fow 7
   Pow 1
                                                    FOU POW 9 FOWLD
 1 -0.691 -0.326 -1.253 -1.341 -1.386 -0.930 -0.866 -0.676 -0.975
 2 -0.843 -1.172 -1.284 -1.381 -1.347 -1.521 -1.284 -0.758 -1.022 -2.044
 3 -0.833 -1.118 -1.270 -1.386 -1.362 -1.516 -1.335 -0.802 -1.004
                                                                    -- ;
 4 -0.829 -1.118 -1.278 -1.282 -1.348 -1.305 -1.209 -0.796 -1.003 -0.536
 5 -0.799 -1.003 -1.035 -0.987 -0.962 -0.818 -0.643 -0.645 -0.809 -0.412
 6 -0.709 -0.819 -0.740 -0.752 -0.614 -0.313 -0.422 -0.453 -0.521 -0.331
 7 -0.593 -0.621 -0.538 -0.516 -0.444 -0.405 -0.437 -0.434 -0.250
 8 - 0.393 - 0.361 - 0.326 - 0.337 - 0.319 - 0.340 - 0.405 - 0.817 - 0.664 - 0.293
 9 -0.282 -0.268 -0.274 -0.275 -0.782 -0.291 -0.335 -0.425 -0.418 -0.28\frac{1}{5}
10 -0.224 -0.218 -0.235 -0.234 -0.239 -0.250 -0.271 -0.234 -0.302 -0.259
11 -0.192 -0.180 -0.183 -0.188 -0.185 -0.203 -0.212 -0.199 -0.223 -0.220
12 -0.161 -0.142 -0.141 -0.145 -0.150 -0.157 -0.157 -0.155 -0.154 -0.153
13 -0.133 -0.107 -0.115 -0.105 -0.103 -0.108 -0.113 -0.102 -0.008 -0.09\overline{g}
14 -0.097 -0.075 -0.065 -0.054 -0.060 -0.059 -0.062 -0.064 -0.048 -0.038
15 -0.073 -0.038 -0.025 -0.018 -0.006 -0.034 -0.037 -0.040 -0.035 -0.065
```

21 mm no majore 1 41 049 0,1500

2 -0.700 -0.505 -0.500 -1.107 -1.230 -1.351 -1.154 -0.903 -1.124 -1.89

1 - 0.696 - 6.003 - 1.056 - 1.134 - 1.015 - 1.100 - 1.047 - 6.630 - 1.348

3 -0.700 -0.802 -1.011 -1.120 -1.230 -1.447 -1.214 -0.920 -1.121

100 5 100 5 TO 7

29 -0.391 -0.257 -0.191 -0.143 -0.162 -0.176 -0.147 -0.07道

r c coviation: 0.016

Towl 9

FOW 9 FOW 9

Indidende: 0.5 Jee.

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DOW DO FOW B FOW 4

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-0.696 -0.879 -(.999 -1.133 -1.01] -1.710 -3.720 -0.310 -1.100
                                                                     -1.598
  -0.700 -0.870 -0.863 -1.101 -1.7°C
                                       -1.250 -1.103 -1.075 -1.952 -0.50
 6 -0.608 -0.640 -0.004 -1.001 -1.175 -1.140 -1.133 -0.016
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 7 -0.697 -6.700 -0.066 -0.060 -1.615 -6.605 -0.025 -0.622 -0.504
  -0.634 -0.699 -0.744 -0.700 -0.715 -0.010 -0.510 -0.570 -1.030 -0.36
 9 -0.554 -0.505 -0.613 -0.506 -0.431 -0.151 -0.376 -0.555 -0.624 -0.353
10 -0.462 -0.471 -0.400 -0.406 -0.360 -0.361 -0.334 -0.438 -0.436 -0.326
11 -0.384 -0.375 -0.366 -0.319 -0.366 -0.371 -0.359 -0.362 -0.333 -0.278
12 -0.307 -0.200 -0.200 -0.232 -2.200 -2.710 -0.100 -0.230 -0.237 -0.205
13 -0.263 -0.211 -0.205 -0.179 -0.107 -0.154 -0.165 -0.155 -0.152 -0.143
14 -0.210 -0.155 -0.142 -0.105 -0.005 -0.006 -0.004 -0.100 -0.085 -0.073
15 -0.187 -0.109 -0.105 -0.075 -0.045 -0.060 -0.065 -0.074 -4.065 -0.032
          Indianco 12.0 Sea.
                                                    Tur Devistion: 0.013
   Fow 1 From 7
                                 now for the notion 7
                 د دغن ۽
                         FC1. 4
                                                      FC1 ?
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 1 -0.703 -0.070 -0.001 -0.006 -1.006 -1.005 -1.300 -1.356 -1.537
  -0.716 -0.830 -0.875 -0.039 -1.050 -1.150 -1.257 -1.074 -1.042 -2.03$
 3 -0.710 -0.637 -0.673 -0.610 -1.646 -1.166 -1.262 -1.669 -1.226
 3 -0.710 -0.637 -0.673 -0.640 -1.646 -1.166 -1.262 -1.609 -1.226 -- $ 4 -0.712 -0.653 -0.660 -0.947 -1.000 -1.104 -1.313 -1.147 -1.214 -2.046
 5 -0.769 -0.544 -0.670 -0.030 -1.053 -1.311 -1.450 -1.331 -1.187 -1.596
 6 -0.710 -0.835 -0.864 -0.327 -1.047 -1.054 -1.747 -1.315 -1.117 -0.734
 7 -0.711 -0.810 -0.050 -0.000 -1.030 -1.011 -1.300 -1.180 -0.035
 8 -0.693 -0.742 -0.801 -0.076 -0.038 -1.605 -0.820 -0.871 -1.311
                                                                     -0.:C3∰
9 -0.679 -0.767 -0.754 -0.631 -0.884 -0.888 -0.434 -0.675 -0.00/ -0.403
10 -0.625 -0.651 -0.695 -0.734 -0.734 -0.666 -0.419 -0.553 -0.643 -0.373
11 -0.557 -0.5.5 -0.609 -0.611 -0.557 -0.487 -0.369 -0.456 -0.497 -0.325
12 -0.503 -0 500 -0.510 -0.505 -0.461 -0.358 -0.310 -0.360 -0.380 -0.263
13 - 0.453 - 0
             30 -0.424 -0.395 -0.345 -0.261 -0.257 -0.291 -0.274 -0.105
              57 -0.342 -0.594 -0.244 -0.103 -0.102 -0.214 -0.180 -0.116
14 -0.410 -
```